The
Gardens' Bulletin
STRAITS SETTLEMENTS

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A List of the Fungi of the Malay Peninsula

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A LIST OF THE FUNGI OF THE MALAY PENINSULA.

I. *The object of this List.*

The Flowering Plants of Malaya have already received considerable attention, partly from the fact that they are easy to study and collect owing to their size, and partly that they early assumed importance from their economic value. The results of these investigations have been published from time to time, and a general view of the whole embodied in the "Materials for a Flora of the Malay Peninsula." "The Flora of the Malay Peninsula" itself, which will provide the standard work on systematic Phanerogams, is now in the press.

The remainder of the flora, consisting of the Ferns, Fern Allies, Mosses, Algae, Lichens and Fungi has not yet been considered in any co-ordinated work. With the investigation of this branch in view a special appointment was made to the Staff of the Botanic Gardens, Singapore, in 1914, but owing to the war the post was not taken up till 1919. Work was then immediately begun on the Fungi as they were considered to be of most economic importance. The original intention was to publish "Materials" from time to time, and not to bring out any general work until sufficient investigations had been carried out for the production of a standard publication. Owing to an unexpected change of staff, however, and the fact that an interval will elapse before the post can again be filled, it was felt that the work of the past eighteen months ought to be co-ordinated and put on record rather than a risk be run of its being lost and having to be done over again.

The present work is, therefore, a compilation only, and is a bringing-together of all the information to which access has been obtained relating to the Fungi and Fungus literature of the Malay Peninsula. Time alone has not permitted the extension of these investigations to the other Cryptogams.

In this enumeration no attempt has been made to discuss the merits of the various species to which collections have been assigned, nor has it been possible, owing to the work having been carried out

in Singapore, to check the earlier determinations or to determine a considerable amount of the material that is available in the Botanic Gardens' Herbarium. It is unavoidable, therefore, that many specific names are quoted separately, that are now established synonyms, as the only resource in the present case was to enter each record, and leave amalgamations and reductions to a later work.

Owing to the difficulty of keeping herbarium specimens in the tropics the collections made before 1912 were sent to Kew, and only a small amount of named material was accumulated, therefore, for comparison at Singapore. Cryptogamic works of reference were also few as it was not possible or advisable to purchase the standard works on this subject which contain only the briefest and occasional references to the fungi of this country, and which are now at a very high price. As access to them is only possible in the large scientific libraries of Europe and America, the original intention was to delay any treatise on the whole of the Malayan Fungi until a visit to Europe should enable these shortcomings to be remedied.

II. *Our knowledge of Malayan Fungi.*

Until some few years ago our knowledge of tropical fungi was exceedingly small, and it was generally considered that the fleshy and more evanescent types were but poorly represented. This no doubt was due to the fact that collectors brought back to Europe only the harder and more durable kinds as they were unable to attempt to preserve the others. More recent researches show that these views were quite incorrect. Whilst the larger and harder fungi such as the Polyporaceae are everywhere in evidence it is soon seen that there is an immense variety of the more perishable kinds whose fructifications appear periodically and last but a few days. The only way these can be adequately recorded is by coloured sketches made from fresh material on the spot. An initial collection of such drawings has already been made at Singapore by De Alwis and Mrs. Burkill, and it is hoped that their publication will shortly be undertaken.

The following paragraphs give a general review of our present knowledge of the groups of Malayan fungi.

Work on the Myxomycetes is all recent. At the present moment Mr. A. R. Sanderson is preparing a monograph on the Malayan species and such as are cited in this work, therefore, are only those that are represented at Singapore. In view of Mr. Sanderson's entensive research it was felt better to leave the detailed account of them for his coming publication. The determinations were made by Miss Gulielma Lister to whom our thanks are due, and at Kew.

Our knowledge of the Phycomycetes is at present very small, entirely owing to lack of investigators in this branch. It is certain that these fungi are abundant and also that they are of considerable economic importance, as the work already done on Phytophthora, for instance, shows. At the present moment there is but very little completed work to be chronicled for this country.

The Ascomycetes have received rather more attention, but chiefly of recent years. Species of outstanding economic importance have been dealt with individually by different Malayan mycologists, but the largest additions to our collections are due to Professor C. F. Baker who served on the Staff of the Botanic Gardens, Singapore, in the year 1917.

The Basidiomycetes, except for the Agaricaceae form far and away the bulk of our collections. Our earliest records are specimens collected by Beccari between 1865 and 1879 apparently on his way to Sarawak, and by the Rev. Father Scortechini in 1885. Kunstler, a collector of Sir Geo. King of Calcutta, was also one of the earlier collectors, whilst a large number of all groups have been collected by Mr. Ridley. The largest local fungus of which we have a record, belongs to this section and is a specimen of Polyporus applanatus, with a diameter of 43 cm. and a thickness of 13 cm. To Mr. C. G. Lloyd our thanks are greatly due for his very kind assistance in determining the many specimens of the Basidiomycetes submitted to him.

The majority of our collections of Agaricaceae are due to Mr. H. N. Ridley and Mrs. Burkill. It is evident that they will prove to be as widely represented as any section of fungi when once the study of them can be carried out on the spot with fresh material.

Our records of the Fungi Imperfecti are again chiefly due to the collections of Prof. C. F. Baker. The study of this section, many of the species of which are of economic importance, has only been undertaken so far in individual cases, but with the provision of laboratories and scientific apparatus now being made investigations should go quickly ahead.

It is interesting to note the general habitats favoured by the various groups of fungi. The Myxomycetes appear as saprophytes generally on dead wood and similar matter. The Phycomycetes, so far as our scanty knowledge goes at present, are both parasitic and saprophytic, and provide the all-prevalent "mildews." The Ascomycetes are also both saprophytic and parasitic, and are responsible for a good deal of damage especially on trees and woody plants. The Rusts and Smuts so far appear but poorly represented, possibly owing to the absence of any large tracts of land in this country under cereal crops. The Basidiomycetes with the exception of the Agaricaceae and subsequent groups are nearly always to be found on a woody stratum, and although the fructifications appear most frequently on dead wood, it should by no means be taken that they are saprophytic. Indeed many of our worst diseases of the rubber plantations are due to this group. The Agaricaceae, Phallaceae, etc. are generally found on the ground. The Fungi Imperfecti, generally favour the same types of hosts as the Ascomycetes.

III. *The preservation of Fungi in the Tropics.*

A word may here be said on the preservation of herbarium specimens in the tropics as this has proved such a source of trouble in the past. It appears essential that when collecting fungi one

must be able to return to one's base every night. Specimens collected on one day's march cannot be preserved and carried on as in the case of flowering plants, with the exception of course of the hard woody kinds, as the characters must be worked out whilst they are fresh and the fructifications rarely last over twenty four hours. Fungi growing on leaves and of a similar nature can be put into an ordinary press, but for all others it was found advisable to collect them in baskets, wrapping each collection loosely in a sheet of paper and placing them on top of each other in the baskets.

On arrival at camp a certain number such as those of a leathery or fibrous nature may be sun dried, but the fleshy ones should be soaked in spirit for about five minutes. If they are fragile or it is essential to preserve their shape, and they are of a nature to allow this to be done, they may then be dried off in a press. Others such as thick or caespitose specimens should be dried off gradually in a hot air oven and preserved in boxes.

Before being put away all specimens must be poisoned, but the proportion of corrosive sublimate must not be such that it will form a deposit on the specimen and block the pores. In the herbarium cabinets balls of naphthalene should be placed on the shelves and in the boxes, and a little powdered naphthalene between the sheets.

Even with all these precautions it has been found necessary to go over all the specimens every two or three months and poison again where necessary.

In dealing with the Agaricaceae the experiment was tried of obtaining the spore cast on a glass slide, and so far this has proved very satisfactory. It enables the spores to be examined by reflected and transmitted light, and if the slides are kept in a slide cabinet they are handy for future reference and comparison. It is necessary, however, from time to time to examine them and when any growth of mycelium is observed to wash the slide over with alcohol.

IV. *The present work.*

The arrangement followed in the present compilation is that of Engler's "Die Pflanzenfamilien," except in the case of the Myxomycetes where Arthur Lister's arrangement has been adopted. Species are arranged alphabetically. The area dealt with includes the Straits Settlements, and the Federated and neighbouring Malay States.

The only works of reference cited in the text are those of Malayan publications which are available for local consultation. It was considered quite unnecessary to burden the work with complete lists of references by citations from European and world-wide standard works, the idea being to frame the pamphlet on the type of a local flora.

In the bibliography at the end the works quoted are those referring especially to Malayan Fungi. It is interesting to note that, apart from lists of determinations of collections such as those published by M. C. Cooke in Grevillea, there is, so far as can be

found, only one previous attempt to list Malayan Fungi. This was by Bancroft in 1913, where (in the Agric. Bull. F. M. S. i. p. 259) he gives a, "List of Fungi identified in the Federated Malay States, with notes on their occurrence." One hundred and five species are mentioned, including Cooke's list of determinations of the collections forwarded by Sir George King. Later in the same year Sharples published "Additions to the Mycologic Flora of Malaya," (Agric. Bull. F. M. S. ii. p. 83.), where he lists five more species. No attempt has been made to add up the number of species mentioned in the present work, as many synonyms are evident, and the early determinations need checking.

In the accompanying enumeration the specimens numbered above 4000 have been collected by the staff of the Botanic Gardens, Singapore since the special appointment, mentioned on p. 311, was taken up. Professor Baker's collections and those of other individuals can be ascertained from the collector's name given.

The work of the Mycologists of the Agricultural Department, F. M. S., and those independently engaged in this work in the country is evident from the copious quotations, throughout the accompanying pages. It is hoped that this present compilation will be of assistance to local mycologists engaged upon the biology of fungi that from time to time assume predominant economic importance, as well as to future workers on the systematic study of Malayan fungi.

Acknowledgement must be made of the copious notes made by Mr. Ridley during his long sojourn in Malay and which he has very kindly allowed to be incorporated in this work.

Thanks are due also to the Director of the Royal Botanic Gardens, Kew, and Miss Wakefield, for their welcome assistance in determining specimens and supplying information on many difficult points.

I am greatly indebted to Mr. I. H. Burkill, Director of the Botanic Gardens, Singapore, for the many facilities and assistance he has given me in the course of my investigations.

T. F. Chipp.

Abbreviations.

The following abbreviations have been used for citations in the body of the work:—

Agric. Bull. Mal. Penin.	Agricultural Bulletin of the Malay Peninsula.
Agric. Bull. S. and F. M. S.	Agricultural Bulletin of the Straits and Federated Malay States.
Gard. Bull. S. S.	The Gardens' Bulletin, Straits Settlements.
Agric. Bull. F. M. S.	The Agricultural Bulletin of the Federated Malay States.
Dep. Agric. F. M. S. Bull.	Department of Agriculture, Federated Malay States, Bulletin.
Journ. F. M. S. Museums	Journal of the Federated Malay States Museums.

MYXOMYCETES.

CERATIOMYXACEAE.

CERATIOMYXA FRUTICULOSA, Macbr.

VAR. FLEXUOSA, Lister.

Distr:—Singapore, Botanic Gardens, *Sappan,* 5105. Economic Gardens, *Chipp,* 4832, 5750.

Appearing as small white tufted patches on dead logs.

PHYSARACEAE.

PHYSARUM COMPRESSUM, Alb. and Schw.

Distr:—Singapore, Botanic Gardens, on a dead log, white when fresh drying grey, *M. Noor,* 5059.

PHYSARUM NUCLEATUM, Rex.

Distr:—Singapore, Tampinis Road, on a trunk of Cocos nucifera, *Burkill,* 269.

PHYSARUM NUTANS, Pers.

Distr:—Singapore, Economic Garden, January 1916, *Burkill,* A 48.

PHYSARUM VIRIDE, Pers.

Distr:—Singapore, Woodlands, on dead wood, *M. Noor,* 5376. Economic Garden, on a dead branch of Treculia africana, *A. Kadir,* 5793; on a dead branch of Hevea brasiliensis, *Chipp,* 5851.

TRICHAMPHORA PEZIZOIDES, Jungh.

Distr:—Singapore, Botanic Gardens, on a heap of brushwood, Oct. 1915, *Burkill.*

PHYSARELLA OBLONGA, Morg.

Distr:—Singapore, Botanic Gardens, on bark, *M. Noor,* 5132, 5133.

DIACHAEA ELEGANS, Fries.

Distr:—Singapore, Botanic Gardens, on dead stems of Acalypha, *Ridley.*

DIDYMIACEAE.

DIDYMIUM LEONINUM, Berk. and Br.

Distr:—Singapore, Botanic Gardens, on leaves, Nov. 1913, *Burkill.*

STEMONITACEAE.

STEMONITIS FUSCA, Roth.

Distr:—Singapore, Botanic Gardens, on a stump of Cyrtophyllum, July 1917, *Burkill;* on a dead log, *Burkill,* 5529. Economic Garden, on a stump of Hevea brasiliensis, Sept. 1915, *Burkill;* on a dead log, *Kiah,* 5730.

STEMONITIS HERBATICA, Peck.

Distr:—Singapore, Botanic Gardens, on a dead log, *Sappan,* 5139.

STEMONITIS SPLENDENS, Rost.

F. FENESTRATA.

Distr:—Singapore, Botanic Gardens, on a stump of Albizzia, Aug. 1914, *Burkill.*

COMATRICHA LONGA, Peck.

Distr:—Singapore, Botanic Gardens, on a dead log, *Sappan,* 5103.

COMATRICHA PULCHELLA, Rost.

Distr:—Singapore, Botanic Gardens, Nov. 1913, *Burkill.*

COMATRICHA TYPHOIDES, Rost.

Distr:—Penang, Waterfall Gardens, on dead wood, *M. Noor,* 5613. Singapore, Botanic Gardens, on a dead log, *M. Noor,* 5060.

HETERODERMACEAE.

CRIBRARIA SPLENDENS, Pers.

Distr:—Singapore, Woodlands, on dead wood, *Sappan,* 5413.

TUBULINACEAE.

TUBIFERA FERRUGINOSA, Gmeln.

Distr:—Singapore, Woodlands, on soil, *Sappan,* 5396.

TUBIFERA STIPITATA, Macbr.

Distr:—Singapore, Botanic Gardens, on dead wood, *Sappan,* 5108.

LYCOGALACEAE.

LYCOGALA EPIDENDRUM, Rost.

Distr:—Singapore, Woodlands, on dead wood, *Sappan,* 5412. Botanic Gardens, *Ridley,* 16.

LYCOGALA MINUTUM, Sacc. and Paol.

Distr:—Without precise locality, on fallen dead twigs, *Scortechini*, 511.

ARCYRIACEAE.

ARCYRIA DENUDATA, Sheldon.

Distr:—Singapore, Botanic Gardens, on moss, *Sappan*, 5141. Economic Garden, on a rotten stump of Hevea brasiliensis. Nov. 1916, *Burkill*.

ARCYRIA NUTANS, Grev.

Distr:—Singapore, Economic Garden, on a dead log, *Chipp*, 4842.

ARCYRIA OERSTEDTII, Rost.

Distr:—Singapore, Economic Garden, on a dead log, *Chipp*, 4850.

ARCYRIA PUNICEA, Pers.

Distr:—Singapore, Botanic Gardens, on dead wood, *Ridley*. Without precise locality, on dead branches, *Scortechini*, 154.

PHYCOMYCETES.

PERONOSPORACEAE.

PHYTOPHTHORA FABERI, Maub. Pratt. in Agric. Bull. F. M. S. v. 180. Chipp, in Gard. Bull. S. S. ii. 189.

Recorded as a bark disease of Hevea brasiliensis.

PHYTOPHTHORA sp. Richards, in Agric. Bull. F. M. S. v. 312.

Recorded as a cause of canker of Hevea brasiliensis.

ENTOMOPHORACEAE.

ENTOMOPHORA sp.

Distr:—Singapore, Botanic Gardens, on a Calliphora fly, Feb. 1917, *Burkill*, A47.

ASCOMYCETES.

MONASCACEAE.

MONASCUS HETEROSPORUS, Schr. Bancroft, in Agric. Bull. F. M. S. i. 259; and in Dep. Agric. F. M. S. Bull. Nos. 16 and 19. Chipp, in Gard. Bull. S. S. ii. 191.

Recorded as causing a spotting on prepared rubber.

GEOGLOSSACEAE.

GEOGLOSSUM HIRSUTUM, Cke.

Distr:—Singapore, Botanic Gardens, *Ridley.*

GEOGLOSSUM SPATHULATUM, Massee.

Distr:—Singapore, on the ground, *Ridley.*

PEZIZACEAE.

PEZIZA ALUTICOLOR, Berk.

Distr:—Without precise locality, on bark, *Scortechin.* 116

PEZIZA CROCINA, Mont.

Distr:—Singapore, 1865, *Beccari.*

PEZIZA EPISPARTIA, Berk. and Br.

Recorded from a collection by *Burkill.*

PEZIZA MARTIALIS, Massee.

Distr:—Selangor, on the ground, *Ridley,* 48.

PEZIZA RADICULOSA, Berk. and Br.

Distr:—Perak, on the ground, *Ridley,* 12.

PEZIZA RUTILANS, Fries.

Distr:—Perak, *King's collector.*

PEZIZA TOMENTOSA, Massee.

Distr:—Selangor, on the ground, *Ridley,* 70.

PEZIZA TRICHOLOMA, Mont.

Distr:—Perak, *King's collector,* 2633. Selangor, on dead wood, *Ridley,* 36.

HELOTIACEAE.

COOKEINA TRICHOLOMA, O. Ktze. Sharples, in Agric. Bull. F. M. S. ii. 83.

Distr:—Pahang, West Bentong, on old wood and bark, *Sharples.*

TRICHOPEZIZA CHRYSOTRICHA, Sacc.

Distr:—Selangor, on rotten twigs, *Ridley,* 47.

MOLLISIACEAE.

Mollisia alboflava, Massee.

Distr:—Selangor, on a dead branch, *Ridley*, 62.

Mollisia cinnabarina, Massee.

Distr:—Selangor, on dead branches, *Ridley*, 95.

Mollisia rosea, Massee.

Distr.—Selangor, on dead branches, *Ridley*, 82.

CENANGIACEAE.

Dermatea mycophaga, Massee.

Distr:—Singapore, Bukit Timah, *Ridley*, 158.

Tryblidiella rufula, Sacc.

Distr:—Singapore, Botanic Gardens, on dead branches, *Ridley*, 6.

STICTIDACEAE.

Schizoxylon sp.

Distr:—Singapore, Botanic Gardens, on bamboo, *Sappan*, 5142.

PHACIDIACEAE.

Phacidium affinis, Sacc. and Paol.

Distr:—Without precise locality, on leaves, *Scortechini*, 22.

HYPODERMATACEAE.

Gloniella fusispora, Sacc. and Paol.

Distr:—Without precise locality, on stems, *Scortechini*.

Lophodermium maculare, De Not.

Distr:—Without precise locality, on dead leaves of Elaeriospermum and Trigonostemon, *Scortechini*, 47, 48, 152.

HYSTERIACEAE.

Lembosia glonioidea, Sacc. Baker, in Gard. Bull. S. S. ii. 111, and 119. Chipp, in Gard. Bull. S. S. ii. 189.

Distr:—Singapore, Botanic Gardens, on dead limbs of Hevea brasiliensis, *Baker*, 5278.

Lembosia Heptapleuri, Sacc. Baker, in Gard. Bull. S. S. ii. 119. Chipp, in Gard. Bull. S. S. ii. 276.

Distr:—Singapore, Botanic Gardens, on Heptapleurum, *Baker*, 442.

LEMBOSIA HORMOSIANA, Sacc. Baker, in Gard. Bull. S. S. ii. 119. Chipp, in Gard. Bull. S. S. ii. 278.

Distr:—Singapore, Botanic Gardens, on Ormosia sumatrana, *Baker*, 443.

LEMBOSIA MACROSPORA, Sacc. and Paol.

Distr:—Without precise locality, on fallen leaves, *Scortechini*, 117.

LEMBOSIA PANDANI, Theiss. Baker, in Gard. Bull. S. S. ii. 118. Chipp, in Gard. Bull. S. S. ii. 278.

Distr:—Singapore, Botanic Gardens, on dying leaves of Pandanus spp. *Baker*, 444, 4977.

HYSTERIUM HEVEANUM, Sacc. Baker, in Gard. Bull. S. S. ii. 111, and 119. Chipp, in Gard. Bull. S. S. ii. 189.

Distr:—Singapore, Botanic Gardens, on dead limbs of Hevea brasiliensis, *Baker*, 440.

TUTUBERACEAE.

TUBER ECHINATUM, Sacc. and Paol.

Distr:—Without precise locality, in holes in the ground, *Scortechini*, 185.

ASPERGILLACEAE.

MELIOLA AETHIOPS, Sacc. Baker, in Gard. Bull. S. S. ii. 117. Chipp, in Gard. Bull. S. S. ii. 233.

Distr:—Singapore, Botanic Gardens, on living leaves of Cassia fistula, *Baker*, 449.

MELIOLA AMPHITRICHA, Fries.

Distr:—Perak, *King's collector*, 2595. Without precise locality, on dead leaves and stems. *Scortechini*, 42.

MELIOLA KYDIAE, Sacc.

Distr:—Singapore, Botanic Gardens, on Garcinia kydia, *Baker*, 450.

MELIOLA MALACCENSIS, Sacc. Baker, in Gard. Bull. S. S. ii. 117. Chipp, in Gard. Bull. S. S. ii. 281.

Distr:—Singapore, Botanic Gardens, on leaves of Wormia suffruticosa, *Baker*, 451.

MELIOLA MANGIFERAE, Earle. Baker, in Gard. Bull. S. S. ii. 117. Chipp, in Gard. Bull. S. S. ii. 288.

Distr:—Singapore, on Mango, *Burkill*, 2827. Singapore, Botanic Gardens, on leaves of Mangifera indica, *Baker*, 452.

MELIOLA MANGOSTANAE, Sacc. Baker, in Gard. Bull. S. S. ii. 117.

Distr:—Singapore, Botanic Gardens, on leaves of Garcinia Mangostana, *Baker*, 453.

MELIOLA NEPHELII, Sacc. Baker, in Gard. Bull. S. S. ii. 117. Chipp, in Gard. Bull. S. S. ii. 278.

Distr:—Singapore, Botanic Gardens, on leaves of Nephelium lappaceum, *Baker*, 454.

MELIOLA OCTOSPORA, Cke.

Distr:—Singapore, Botanic Gardens, forming sooty patches on leaves of Eugenia grandis, *Ridley*.

MELIOLA PALMARUM, Kunze and Fries. Bancroft, in Agric. Bull. F. M. S. i. 259. Chipp, in Gard. Bull. S. S. ii. 235.

A sooty mould on coconut leaves.

MELIOLA RETICULATA, Karst. and Roum.

Distr:—Singapore, Botanic Gardens, on leaves of Ficus urophylla, *Baker*, 455.

ERYSIBACEAE.

ERYSIPHE POLYGONI, D. C. Bancroft, in Agric. Bull. F. M. S. i. 112, 259. Chipp, in Gard. Bull. S. S. ii. 277.

Recorded as a mildew on tomatoes and cucumbers.

PERISPORIACEAE.

DIMEROSPORIUM ALBOMARGINATUM, Sacc. Baker, in Gard. Bull. S. S. ii. 117. Chipp, in Gard. Bull. S. S. ii. 281.

Distr:—Singapore, Botanic Gardens, on dying leaves of Sterculia, *Baker*, 412.

ANTENNARIA PANNOSA, Berk.

Distr:—Without precise locality, on dead leaves, *Scortechini*, 55.

LIMACINIA JAVANICA, Sacc. Bancroft, in Agric. Bull. F. M. S. i. 27, 259. Chipp, in Gard. Bull. S. S. ii. 190.

Growing on a scale, Lecanium nigrum.

APIOSPORIUM ATRUM, Massee. Chipp, in Gard. Bull. S. S. ii. 188.

Distr:—Selangor, Kuala Lumpur, on dead branches of Hevea brasiliensis, *Bancroft*.

Capnodium sp. Belgrave, in Agric. Bull. F. M. S. iv. 113. Chipp, in Gard. Bull. S. S. ii. 236.

Recorded in association with scale insects as a sooty mould on coffee berries.

Microxyphium tenellum, Sacc. Baker, in Gard. Bull. S. S. ii. 117. Chipp, in Gard. Bull. S. S. ii. 234.

Distr:—Singapore, Botanic Gardens, on dying leaves of Cinnamomum iners, *Baker*, 468.

Dimerium sngaporense, Sacc. Baker, in Gard. Bull. S. S. ii. 117. Chipp, in Gard. Bull. S. S. ii. 280.

Distr:—Singapore, Reservoir Woods, on dead leaves of Rhodomyrtus tomentosa, *Baker*, 411.

MICROTHYRIACEAE.

Microthyrium brownneanum, Sacc. Baker, in Gard. Bull. S. S. ii. 118. Chipp, in Gard. Bull. S. S. ii. 233, and 280.

Distr:—Singapore, Botanic Gardens, on Brownea grandiceps, and Saraca sp., *Baker*, 465, 466.

Microthyrium Grammatophylli, Sacc. Baker, in Gard. Bull. S. S. ii. 118.

Distr:—Singapore, Botanic Gardens, on Grammatophyllum speciosum, *Baker*, 467.

Asterina tenuissima, Petch. Bancroft, in Agric. Bull. F. M. S. i. 259. Chipp, in Gard. Bull. S S. ii. 188, 191.

On the green stems and fruit of Hevea brasiliensis. Said by Petch to live on the sugary secretions from the nectaries at the base of the leaves.

Asterina trachycarpa, Syd. Baker, in Gard. Bull. S. S. ii. 118. Chipp, in Gard. Bull. S. S. ii. 237.

Distr:—Singapore, Botanic Gardens, on Derris sinuata, *Baker*, 401.

Seynesia melanosticta, Cke. and Massee.

Distr:—Malacca, Mt. Ophir, on living leaves of Alsodeia, *Hullett*.

Micropeltis applanata, Mont.

var. Galeariae, Sacc. Baker, in Gard. Bull. S. S. ii. 118.

Distr:—Singapore, Changi, on Galearia affinis, *Baker*, 5893.

Micropeltis marginata, Mont. Baker, in Gard. Bull. S. S. ii. 118. Chipp, in Gard. Bull. S. S. ii. 281.

Distr:—Singapore, Botanic Gardens, on Zalacca edulis, *Baker*, 5402, 5473; on Zalacca Wallichiana, *Baker*, 460.

Micropeltis trimera, Sacc. Baker, in Gard. Bull. S. S. ii. 118.

Distr:—Singapore, Botanic Gardens, on dead leaves of Gustavia insignis, *Baker*, 461.

HYPOCREACEAE.

Nectria diversispora, Petch. Bancroft, in Agric. Bull. F. M. S. i. 28, 260. Chipp, in Gard. Bull. S. S. ii. 189, 191.

Recorded on dead parts of Hevea brasiliensis.

Nectria sanguinea, Fries. Ridley, in Agric. Bull. S. and F. M. S. ix. 571. Chipp, in Gard. Bull. S. S. ii. 189.

Recorded on the bark of Hevea brasiliensis.

Pleonectria heveana, Sacc. Baker, in Gard. Bull. S. S. ii. 111, and 118. Chipp, in Gard. Bull. S. S. ii. 190.

Distr:—Singapore, Botanic Gardens, on a dead limb of Hevea brasiliensis, *Baker*, 5173.

Sphaerostilbe cinnabarina, Tul. Ridley, in Agric. Bull. S. and F. M. S. v. 68. Chipp, in Gard. Bull. S. S. ii. 280.

Recorded on roses.

Sphaerostilbe coccophila, Tul. Bancroft, in Agric. Bull. F. M. S. i. 260. Chipp, in Gard. Bull. S. S. ii. 234.

Recorded as parasitic on a scale on Citrus medica.

Sphaerostilbe repens, Berk. and Br. Brooks, in Agric. Bull. F. M. S. iii. 40; and in Dep. Agric. F. M. S. Bull. No. 25.

Recorded as a root disease of Hevea brasiliensis.

Megalonectria pseudotricha, Speg. Bancroft, in Agric. Bull. F. M. S. i. 28, 260. Brooks, in Agric. Bull. F. M. S. iii. 41. Chipp, in Gard. Bull. S. S. ii. 189.

Recorded on dead parts of Hevea brasiliensis trees and considered by Brooks to be the conidial stage of Stilbum cinnabarinum.

Hypocrella discoidea, Sacc. Baker, in Gard. Bull. S. S. ii. 118.

Distr:—Singapore, Botanic Gardens, on living leaves of Schizocapsa plantaginea, *Baker*, 438.

HYPOCRELLA PANICI, Massee. Chipp, in Gard. Bull. S. S. ii. 279.

Distr:—Selangor, on a Panicum, *Ridley*, 88.

HYPOCRELLA SCUTATA, Cke.

Distr:—Dindings, on leaves, mentioned by *Ridley*. Singapore, Botanic Gardens, on leaves of Myristica fragrans, *Dr. Bancroft*.

HYPOCRELLA ZINGIBERIS, Massee. Chipp, in Gard. Bull. S. S. ii. 282.

Distr:—Dindings, on petioles of Zingiber, *Ridley*, 10.

HYPOCREA DISCELLA, Berk. and Br.

Distr:—Without precise locality, on branches, *Scortechini*, 118.

HYPOCREA JECORINA, Berk. and Br.

Distr—Singapore, Botanic Gardens, on dead stumps, *M. Noor*, 5058; *Sappan*, 5071. Economic Garden, on a dead log, *Chipp*, 4846.

HYPOCREA sp. aff. H. CITRINAE.

Distr:—Singapore, Botanic Gardens, on a dead twig, *M. Noor*, 5354.

CORDYCEPS INTERRUPTA, Massee.

Distr:—Singapore, *Ridley*.

CORDYCEPS LIGNICOLA, Massee.

Distr:—Selangor, on rotten wood, *Ridley*, 41.

CORDYCEPS RIDLEYI, Massee.

Distr:—Selangor, on an ant Formica gigas, *Ridley*, 89.

BALANSIA ASPERATA, Massee. Bancroft, in Agric. Bull. F. M. S. i. 260. Chipp, in Gard. Bull. S. S. ii. 276.

Distr:—Johore, Mount Austin, on an inflorescence of Ichnanthus pallens, *Ridley*, 12508.

BALANSIA SESSILIS, Massee. Bancroft, in Agric. Bull. F. M. S. i. 260. Chipp, in Gard. Bull. S. S. ii. 276.

Distr:—Johore, Kuala Tebing, on Centotheca lappacea, and Ichnanthus sp., *Ridley*, 10988.

CLAVICEPS spp.

Many specimens of this genus have been collected, but the species are not worked out.

DOTHIDEACEAE.

MONTAGNELLA BOTRYOSA, Sacc. and Paol.

Distr:—Without precise locality, on leaves, *Scortechini*, 59.

ROUSSOELLA NITIDULA, Sacc. and Paol.

Distr:—Without precise locality, on thick bamboo stems, *Scortechini*, 15.

DOTHIDEA PHASELINA, Berk.

Distr:—Singapore, on bamboo culms, 1879, *Beccari*.

PHYLLACHORA CANARII, P. Henn.

Distr:—Penang, Government Hill, on leaves of Canarium sp., *Chipp*, 4697.

PHYLLACHORA FICI-MINAHASSAE, P. Henn.

Distr:—Penang, Government Hill, at 1100 feet, on leaves of Ficus sp., *Chipp*, 4689, 4690.

PHYLLACHORA LUCIDA, Sacc. and Paol.

Distr:—Without precise locality, on dying subcoriaceous leaves, *Scortechini*, 67.

DOTHIDELLA PTEROCARPI, Massee. Bancroft, in Agric. Bull. F. M. S. i. 151, 260. Chipp, in Gard. Bull. S. S. ii. 280.

Distr:—Selangor, Kuala Lumpur, on living leaves of Pterocarpus indicus, *Bancroft*.

ZIMMERMANIELLA TRISPORA, P. Henn. Baker, in Gard. Bull. S. S. ii. 118. Chipp, in Gard. Bull. S. S. ii. 288.

Distr:—Singapore, Botanic Gardens, on dead leaves of Mangifera indica, *Baker*, 500.

SORDARIACEAE.

SORDARIA BURKILLII, Massee.

Distr:—Singapore, Botanic Gardens, on cattle dung, *Burkill*.

SPHAERIACEAE.

TRICHOSPHAERIA SACCHARI, Massee. Ridley, in Agric. Bull. Mal. Penin. 1897, No. 7, p. 146. Chipp, in Gard. Bull. S. S. ii. 280.

On sugar cane, recorded by Ridley.

Rosellinia ambigens, Sacc. Baker, in Gard. Bull. S. S. ii. 117. Chipp, in Gard. Bull. S. S. ii. 237.

Distr:—Singapore, Botanic Gardens, on dead leaves of Daemonorops, *Baker*, 483.

Rosellinia bunodes, Sacc.

Distr:—Singapore, Botanic Gardens, on Ficus dubia, *Ridley*.

This specimen was originally determined as R. echinata, by Massee.

Rosellinia echinata, Massee.

Considered by Butler and Wakefield to be the same as R. bunodes.

Rosellinia hemisphaerica, Sacc. and Paol.

Distr:—Perak, *King's collector*. Without precise locality, on decaying leaves of Dracaena, *Scortechini*, 2.

Rosellinia mammoidea, Sacc.

Distr:—Perak, *King's collector*. Without precise locality, on dead twigs, *Scortechini*, 3, 10.

Rosellinia picacea, Massee.

Distr:—Singapore, Botanic Gardens, on dead bark, *Ridley*.

Rosellinia radiciperda, Massee. Ridley, in Agric. Bull. Mal. Penin. 1900, page 287.

Distr:—Singapore, Botanic Gardens, on jungle trees, *Ridley*.

Rosellinia sp. aff. R. parasiticae. E. and Ev. Chipp, in Gard. Bull. S. S. ii. 279.

Distr:—Singapore, Botanic Gardens, on a stem of Pinanga, *Chipp*, 4925.

Zignoella Garciniae, P. Henn. Belgrave, in Agric. Bull. F. M. S. ii. 229.

Recorded on Garcinia mangostana.

Melanomma tornatum, Sacc. and Paol.

Distr:—Without precise locality, on dead stems, *Scortechini*, 7.

CERATOSTOMATACEAE.

Ceratostomella coprogena, Massee.

Distr:—Singapore, Botanic Gardens, on cattle dung, *Burkill*.

CERATOSPHAERIA SUBICULOSA, Sacc. Baker, in Gard. Bull. S. S. ii. 117.

Distr:—Singapore, Botanic Gardens, on leaves of Fagraea auriculata, *Baker,* 5471.

OPHIOCERAS DIAPORTHOIDES, Sacc. and Paol.

Distr:—Without precise locality, on a thorny woody plant, *Scortechini,* 86.

CUCURBITARIACEAE.

CUCURBITARIA AGAVES,

Distr:—Penang, Waterfall Gardens, on dead leaves of Agave, *Burkill,* 4139. Johore, Kukob, on leaves of Agave sisalana, *Overbeck,* A17; *Burkill,* A49.

NEOTROTTERIA PULCHELLA, Sacc. Baker, in Gard. Bull. S. S. ii. 111, and 117. Chipp, in Gard. Bull. S. S. ii. 189.

Distr:—Singapore, Botanic Gardens, on rotting limbs of Hevea brasiliensis, *Baker,* 5277.

AMPHISPHAERIACEAE.

TREMATOSPHAERIA CLYPEATA, Sacc. and Paol.

Distr:—Without precise locality, on dead branches, *Scortechini,* 17.

WINTERINA BAKERIANA, Sacc. Baker, in Gard. Bull. S. S. ii. 117. Chipp, in Gard. Bull. S. S. ii. 277.

Distr:—Singapore, Botanic Gardens, on dead leaves of Livistona sinensis, *Baker,* 497.

MYCOSPHAERELLACEAE.

LAESTADIA CAMELLIAE, Berk.

Distr:—Johore, on leaves of Camellia thea, *King's collector.*

LAESTADIA PALAQUII, Bancroft, in Agric. Bull. S. and F. M. S. x. 108; and in Agric. Bull. F. M. S. i. 113, 260. Chipp, in Gard. Bull. S. S. ii. 279.

Distr:—Perak, parasitic on leaves of Palaquium oblongifolium, *Bancroft.*

LAESTADIA THEAE, Rac. Bancroft, in Agric. Bull. F. M. S. i. 113, and 260. Chipp, in Gard. Bull. S. S. ii. 281.

Distr:—Negri Sembilan, on leaves of tea, *Bancroft.*

SPHAERELLA ANALOGA, Sacc. and Paol.

Distr:—Perak, *King's collector.* Without precise locality, on dying leaves, *Scortechini,* 190.

SPHAERELLA CAMELLIAE, Cke. Bancroft, in Agric. Bull. F. M. S. i. 260.

Distr:—Johore, on leaves of Camellia thea, *King's collector.*

SPHAERELLA CYCLOGONA, Sacc. and Paol.

Distr:—Perak, *King's collector.* Without precise locality, on dying leaves, *Scortechini.*

SPHAERELLA HEVEANA, Sacc. Baker, in Gard. Bull. S. S. ii. 111 and 117. Chipp, in Gard. Bull. S. S. ii. 190.

Distr:—Singapore, Botanic Gardens, on dead leaves of Hevea brasiliensis, *Baker,* 488; Economic Garden, *Chipp,* 5764.

SPHAERELLA LASIANA, Sacc. Baker, in Gard. Bull. S. S. ii. 117. Chipp, in Gard. Bull. S. S. ii. 277.

Distr:—Singapore, Botanic Gardens, on leaves of Lasia heterophylla, *Baker,* 489.

SPHAERELLA TRISTANIAE, Wakef. Chipp, in Gard. Bull. S. S. ii. 281.

Distr:—Penang, Moniot Road, on leaves of Tristania Griffithii, *Chipp,* 4694.

PLEOSPORACEAE.

PHYSALOSPORA IMMERSA, Massee.

Distr:—Singapore, Botanic Gardens, on cattle dung, *Burkill.*

DIDYMELLA OLIGOSPORA, Sacc. Baker, in Gard. Bull. S. S. ii. 111 and 117. Chipp, in Gard. Bull. S. S. ii. 188.

Distr:—Singapore, Botanic Gardens, on dead branches of Hevea brasiliensis, *Baker,* 410.

METASPHAERIA COCOES. Chipp, in Gard. Bull. S. S. ii. 235.

Distr:—Without precise locality, on dead leaves, *Richards.*

CLYPEOSPHAERIACEAE.

TRABUTIA STEPHANIAE. Bancroft, in Agric. Bull. F. M. S. i. 260. Chipp, in Gard. Bull. S. S. ii. 231.

Distr:—Perak, on leaves of Afzelia retusa, *Bancroft.*

VALSACEAE.

ANTHOSTOMA CAPNODES, Sacc.

Distr:—Perak, *King's collector.* Without precise locality, on branches, *Scortechini,* 65.

ANTHOSTOMA EUMORPHUM, Sacc. and Paol.

Distr:—Perak, *King's collector.* Without precise locality, on dead stems, *Scortechini,* 6.

ANTHOSTOMA PACHYDERMA, Sacc. and Paol.

Distr:—Without precise locality, on bark, *Scortechini,* 7.

VALSA ASSIMILIS, Ces.

Distr:—Penang, on bark, May 1865, *Beccari.*

VALSA SABALINA.

Distr:—Singapore, Botanic Gardens, on dead branchlets, *Ridley,* 140.

EUTYPA CAULIVORA, Massee. Ridley, in Agric. Bull. S. and F. M. S. ix. 217, 259, 460. Bancroft, in Agric. Bull. F. M. S. i. 259, 260; and in Dep. Agric. F. M. S. Bull. No. 25. Chipp, in Gard. Bull. S. S. ii. 188, and 277.

Recorded by Ridley and Bancroft on Hevea brasiliensis and jungle trees.

EUPTYPA LUDIBUNDA, Sacc.

VAR. HEVEANA Sacc. Baker, in Gard. Bull. S. S. ii. 111, and 117. Chipp, in Gard. Bull. S. S. ii. 189.

Distr:—Singapore, Botanic Gardens, on dead limbs of Hevea brasiliensis, *Baker,* 417.

PERONEUTYPA HETERACANTHOIDES, Sacc. Baker, in Gard. Bull. S. S. ii. 111, and 117. Chipp, in Gard Bull. S. S. ii. 189, and 234.

Distr:—Singapore, Botanic Gardens, on dead limbs of Hevea brasiliensis and Cassia, *Baker,* 470, 471.

CRYPTOVALSA MICROSPORA, Sacc. Baker, in Gard. Bull. S. S. ii. 111, and 117. Chipp, in Gard. Bull. S. S. ii. 188.

Distr:—Singapore, Botanic Gardens, on rotting stems of Hevea brasiliensis, *Baker,* 409.

EUTYPELLA BAMBUSINA, Berl.

Distr:—Johore, Pagoh, Muar, on dead bamboo, *South*, 6073. Singapore, Government House Grounds, on bamboo twigs, *Burkill*, 2214.

THYRIDARIA TARDA, Bancroft, in Agric. Bull. F. M. S. i. 260; and in Dep. Agric. F. M. S. Bull. Nos. 14, 16, 18. Chipp, in Gard. Bull. S. S. ii. 190.

Recorded as a cause of "die back" on Hevea brasiliensis.

MELANCONIDACEAE.

VALSARIA CINNAMOMI, Sacc. Baker, in Gard. Bull. S.. S. ii. 117. Chipp, in Gard. Bull. S. S. ii. 238.

Distr:—Singapore, Botanic Gardens, on dead bark of Eugenia grandis, *Baker*, 496.

DIATRYPACEAE.

DIATRYPE EXCITANS, Cke.

Distr:—Selangor, on dead wood, *Ridley*, 44.

XYLARIACEAE.

NUMMULARIA PITHODES, Petch. Bancroft, in Agric. Bull. F. M. S. i. 260. Brooks, in Agric. Bull. F. M. S. iii. 106. Chipp, in Gard. Bull. S. S. ii. 189.

Common on dead branches and roots of Hevea brasiliensis. According to Petch this species is the same as Eutypa caulivora, Mass.

NUMMULARIA PUNCTULATA, Sacc.

Distr:—Singapore, Botanic Gardens, on a dead branch of Albizzia, *M. Noor*, 5664; on a dead twig, *Kiah*, 5736; Economic Garden, on a dead root of Hevea brasiliensis, *Chipp*, 5753.

var. INDICA, Sacc. Baker, in Gard. Bull. S. S. ii. 118.

Distr:—Singapore, Botanic Gardens, on dead limbs of Gluta benghas, *Baker*, 5371.

NUMMULARIA REPANDOIDIS, Fuck.

var. SINGAPORENSIS, Sacc. Baker, in Gard. Bull. S. S. ii. 111, and 118. Chipp, in Gard. Bull. S. S. ii. 189.

Distr:—Singapore, Botanic Gardens, on dead limbs of Hevea brasiliensis, *Baker*, 469.

USTULINA ZONATA, Sacc. Brooks, in Agric. Bull. F. M. S. iii. 105. Sharples, in Agric. Bull. F. M. S. iv. 98; and in Dep. Agric. F. M. S. Bull. Nos. 22 and 25. Chipp, in Gard. Bull. S. S. ii. 187.

Distr:—Selangor, Kuala Lumpur, *Belgrave,* 4996; on dead Eucalyptus, *Chipp,* 5682. Johore, Pagoh, Muar, on a stump of Areca catechu, *South,* 6072. Singapore, Mandai Road, on a dead stump, *Chipp,* 5820. Botanic Gardens, on dead bamboo, *Sappan,* 5146; on a living tree of Canarium commune, *Chipp,* 6169.

Specimens 4996, and 5146 were determined by Lloyd as U. vulgaris.

HYPOXYLON APPROXIMANS, Ces.

Distr:—Singapore, 1879, *Beccari.*

HYPOXYLON CONCENTRICUM, Grev.

Distr:—Perak, *Kunstler.*

HYPOXYLON EFFUSUM, Nits. Baker, in Gard. Bull. S. S. ii. 118.

Distr:—Botanic Gardens, Singapore, on rotting bark, *Baker,* 5122. Without precise locality, on branches, *Scortechini,* 57, 183.

var. VIRIDARII, Sacc. Baker, in Gard. Bull. S. S. ii. 118.

Distr:—Singapore, Botanic Gardens, on rotting bark, *Baker.*

HYPOXYLON HAEMATITES, Lev.

Distr:—Singapore, Botanic Gardens, *Ridley,* 171.

HYPOXYLON MICROSPORUM, Ces. Baker, in Gard. Bull. S. S. ii. 117. Chipp, in Gard. Bull. S. S. ii. 234.

Distr:—Singapore, Botanic Gardens, on dead bark of Cassia, *Baker,* 439.

HYPOXYLON OODES, Berk. and Br. Bancroft, in Agric. Bull. F. M. S. i. 260. Chipp, in Gard. Bull. S. S. ii. 189.

Distr:—Perak and Selangor, on dead branches of Hevea brasiliensis, *Bancroft.*

HYPOXYLON UDUM, Fries.

Distr:—Singapore, 1879, *Beccari.*

DALDINIA CONCENTRICA, Ces. and De Not. Bancroft, in Agric. Bull. F. M. S. i. 28, 260. Chipp, in Gard. Bull. S. S. ii. 188.

Distr:—Perak, *King's collector*. Singapore, Botanic Gardens, *Flippance*, 5647, Economic Garden, on dead wood, *Chipp*, 5464. This is the obovoid form known as D. luzonensis, Rehm.

Common everywhere on dead logs.

VAR. ESCHOLZII, Ehrenb. Baker, in Gard. Bull. S. S. ii. 111 and 118. Chipp, in Gard. Bull. S. S. ii. 188.

Distr:—Singapore, Botanic Gardens, on a dead trunk of Hevea brasiliensis, *Baker*.

DALDINIA VERNICOSA, Ces. and De Not.

Distr:—Penang, Waterfall Gardens, on dead wood, *Curtis*, 2213. Selangor, *Ridley*, 84. Singapore, Botanic Gardens, on logs, *Ridley*, 4.

KRETZSCHMARIA BOTRYTIS, Lloyd.

Distr:—Singapore, Economic Garden, on dead stem of Hevea brasiliensis, *Sappan*, 5433.

KRETZSCHMARIA HELISCUS, Massee.

Distr:—Singapore, Botanic Gardens, on dead bark, *Ridley*, 7.

KRETZCHMARIA SINGAPORENSIS, Sacc. Baker, in Gard. Bull. S. S. ii. 118.

Distr:—Singapore, Botanic Gardens, on rotting trunks, *Baker*, 5299.

XYLARIA ACICULA, Ces.

Distr:—Without precise locality, on thick leaves, *Scortechini*, 119.

XYLARIA ACICULARIS, Cke.

Distr:—Selangor, on rotten wood, *Ridley*, 63. Singapore, Botanic Gardens, *Ridley*, 53.

XYLARIA ALLANTOIDEA, Berk.

Distr:—Selangor, Port Swettenham, on dead mangrove below high tide mark, *Chipp*, 5640. Sungei Buloh, *Hashim*, 5011. Singapore, Woodlands, on dead wood, *M. Noor*, 5380. Botanic Gardens, *Ridley*, 4919; on an ant's nest, *M. Noor*, 5828.

XYLARIA BERKELEYI, Mont.

Distr:—Penang, Waterfall Gardens, on dead wood, *M. Noor*, 5591.

XYLARIA CYNOGLOSSA, Cke. Bancroft, in Agric. Bull. F. M. S. i. 28 and 260. Chipp, in Gard. Bull. S. S. ii. 188.

Recorded on a dead root of Hevea brasiliensis.

XYLARIA DIGITATA, Grev.

Distr:—Without precise locality, on branches, *Scortechini*, 66, 95.

XYLARIA EMERICI, Berk.

Distr:—Selangor, recorded by *Ridley*.

XYLARIA EUCEPHALA, Sacc. and Paol.

Distr:—Without precise locality; amongst moss on the branches of trees, *Scortechini*, 188.

XYLARIA EXALBATA, Berk. and Curt.

Distr:—Penang, Balik Pulau, *Ridley*, 164.

XYLARIA FIBULA, Massee.

Distr:—Singapore, Bukit Timah, on dead wood, *Ridley*, 159.

XYLARIA FURCATA, Fries.

Distr:—Penang, Waterfall Gardens, on a termites' nest, *M. Noor*, 5625. Singapore, Bukit Timah, on a jungle path, *Chipp*, 4926. Blakang Mati, on the seashore below high tide mark, *Chipp*, 5453.

XYLARIA GRACILIS, Kl.

Distr:—Selangor, Pahang Track, *Ridley*, 83.

XYLARIA GUEPINI, Ces.

Distr:—Without precise locality, on stems, *Scortechini*, 36.

XYLARIA HOLOBAPHA, Berk. Bancroft, in Agric. Bull. F. M. S. i. 260.

Distr:—Perak, Maxwell hill, at 2500 feet, *Bancroft*.

XYLARIA HYPOXYLON, Fries.

VAR. MUCRONATA, Berk.

Distr:—Singapore, Botanic Gardens, on dead wood, *Ridley*, 14; on dead roots of a Ficus, *E. M. Burkill*, 97.

Xylaria hypsipoda, Massee.

Distr:—Singapore, Bukit Mandai, gregarious on dead leaves, *Ridley*, 34.

Xylaria ianthovelutina, Mont.

Distr:—Perak, Larut, on rotten wood, *King's collector*, 2252.

Xylaria Kedahae, Lloyd.

Distr:—Kedah Peak, at 3000 feet, on the ground, *M. Noor*, 4982.

Xylaria nigripes, Kl.

Distr:—Singapore, Botanic Gardens, on the ground, *Sappan*, 5426. Without precise locality, on branches, *Scortechini*, 101.

Xylaria obovata, Berk. Baker, in Gard. Bull. S. S. ii. 111, and 118. Chipp, in Gard. Bull. S. S. ii. 190.

Distr:—Singapore, Botanic Gardens, on stumps of Hevea brasiliensis, *Baker*, 5376.

Xylaria oligostoma, Sacc. and Paol.

Distr:—Without precise locality, on logs, *Scortechini*, 28.

Xylaria plebeja, Ces.

Distr:—Without precise locality, on bark, *Scortechini*.

Xylaria polyclada, Fries.

Distr:—Without precise locality, on logs, *Scortechini*.

Xylaria polymorpha, Grev. Baker, in Gard. Bull. S. S. ii. 118.

Distr:—Singapore, Botanic Gardens, on dead logs, *Baker*, 5297; *E. M. Burkill*, 188. Economic Gardens, *A. Kadir*, 5415.

Xylaria rhopaloides, Kunze.

Distr:—Singapore, Botanic Gardens, *Ridley*, 127; on the stump of an Albizzia, *E. M. Burkill*, 185, 298.

Xylaria Ridleyi, Massee.

Distr:—Selangor, Pahang Track, *Ridley*, 80. Singapore, Botanic Gardens, *Ridley*, 15.

XYLARIA SCHWEINITZII, Berk.

Distr:—Selangor, Pahang Track, *Ridley*, 81. Singapore, Botanic Gardens, *Ridley*, 136.

XYLARIA SCOPIFORMIS, Mont. Bancroft, in Agric. Bull. F. M. S. i. 260. Chipp, in Gard. Bull. S. S. ii. 190.

Distr:—Perak, on dead wood, *Bancroft*. Singapore, Botanic Gardens, *Ridley*, 57.

VAR. HEVEANA, Sacc. Baker, in Gard. Bull. S. S. ii. 111, and 118.

Distr:—Singapore, Botanic Gardens, on a stump of Hevea brasiliensis, *Baker*, 5283.

XYLARIA TUBERIFORMIS, Berk. Baker, in Gard. Bull. S. S. ii. 111, and 118. Chipp, in Gard. Bull. S. S. ii. 190.

Distr:—Singapore, Botanic Gardens, on stumps of Hevea brasiliensis, *Baker*, 498.

XYLARIA VARIANS, Sacc. Baker, in Gard. Bull. S. S. ii. 118.

Distr:—Singapore, Botanic Gardens, on rotting trunks, *Baker*, 499.

PORONIA OEDIPUS, Mont. Bancroft, in Agric. Bull. F. M. S. i. 260.

Distr:—Perak, on dead wood, at 550 feet, *Bancroft*. Without precise locality, on elephant dung, *Scortechini*, 94.

PENZIGIA CRAINOIDES, Sacc. and Paol.

Distr:—Without precise locality, on stems, *Scortechini*, 50, 176.

PENZIGIA DEALBATA, Sacc. and Paol.

Distr:—Without precise locality, on stems, *Scortechini*, 135, 186.

BASIDIOMYCETES.

USTILAGINACEAE.

USTILAGO FLAVO-NIGRESCENS, Berk. and Curt. Chipp, in Gard. Bull. S. S. ii. 280.

Distr:—Singapore, Ulu Berik, on Scleria sumatrensis, *Burkill*

USTILAGO MAYDIS, D. C. Ridley, in Agric. Bull. Mal. Penin. 1898, p. 198. Chipp, in Gard. Bull. S. S. ii. 282.

Recorded on cobs of Zea Mays.

Ustilago Polytriadis, Massee. Chipp, in Gard. Bull. S. S. ii. 280.

Distr:—Malacca, in the ovaries of Polytrias praemorsa.

Ustilago Thwaitesii, Berk. Chipp, in Gard. Bull. S. S. ii. 276.

Distr:—Singapore, Bajau, on leaves of Justicia Gendarussa, *Burkill.*

Ustilago virens, Cke. Chipp, in Gard. Bull. S. S. ii. 278.

Recorded by Bancroft as parasitic on grains of rice in Perak.

Cerebella Paspali.

Distr:—Singapore, Kranji, 1891, *Ridley.*

Graphiola macrospora, Penz. and Sacc. Baker, in Gard. Bull. S. S. ii. 117. Chipp, in Gard. Bull. S. S. ii. 79.

Distr:—Singapore, on dying petioles of Plectocomia, *Baker,* 429*a*.

PUCCINIACEAE.

Hemileia Vastatrix, Berk. and Br. van Hall, in Agric. Bull. F. M. S. i. 251, 255. Bancroft, in Agric. Bull. F. M. S. i. 261. Belgrave, in Agric. Bull. F. M. S. iv. 111. Chipp, in Gard. Bull. S. S. ii. 236.

Distr:—Malacca, Jasin, on Coffea robusta, *Burkill,* 460.

Commonly reported as parasitic on coffee leaves.

Puccinia clavispora, Ell. and Barth. Baker, in Gard. Bull. S. S. ii. 116. Chipp, in Gard. Bull. S. S. ii. 232.

Distr:—Singapore, on Andropogon nardus v. citronella, *Baker,* 482.

Aecidium Balansae, Cor. Baker, in Gard. Bull. S. S. ii. 116. Chipp, in Gard. Bull. S. S. ii. 231.

Distr:—Penang, Government Hill, at 2500 feet, on Agathis alba, *Burkill,* 2574.

Aecidium Cassiae, Bres. Baker, in Gard. Bull. S. S. ii. 116. Chipp, in Gard. Bull. S. S. ii. 233.

Distr:—Singapore, Tanjong Pagar, on Cassia tora, *Burkill,* 1285.

Considered at Kew to be A. Torae, P. Henn.

There are also many other collections which have not yet been determined specifically.

Uredo Dioscoreae, P. Henn.

Distr:—Singapore, Economic Garden, on leaves of Dioscorea bulbifera, *Burkill.*

Uredo Dioscoreae-alatae, Rac.

Recorded from Burkill's collection.

Uredo Imperatae, P. Magn. Bancroft, in Agric. Bull. F. M. S. i. 261. Chipp, in Gard. Bull. S. S. ii. 276.

Distr:—Selangor, on Imperata arundinacea, *Bancroft.*

AURICULARIACEAE.

Auricularia Auriculae-judae (L.) Schroet.

Distr:—Singapore, on dead wood, *E. M. Burkill,* 191.

Common on all kinds of damp and rotting wood, throughout the country.

Auricularia brasiliensis, Fr.

Distr:—Johore, on pit shafts used in the Causeway Works, Johore Bahru, *Chipp,* 5831, 5898. Singapore, on dead wood, Woodlands, *Sappan* 5393. Botanic Gardens, *Chipp,* 5783. On dead stem of Hevea brasiliensis, Economic Gardens, *Kiah,* 5850.

The glabrous "Jew's Ear." Large specimens often measure 6 in. in diameter.

Auricularia indica, Massee.

Distr:—Singapore, Cluny Road, on a dead log, *E. M. Burkill,* 210.

The type specimen only is known so far.

Auricularia mesenterica, Fries.

Distr:—Singapore, Economic Gardens, growing on a species of Baccaurea, *Sappan,* 5430.

A European species now recorded for the first time from Malaya.

Auricularia polytricha, (Mont.) Sacc. Chipp, under Hirneola polytricha, in Gard. Bull. S. S. ii. 189.

Distr:—Without precise locality, appearing in clusters at the ends of dead branches or wounded parts, *Bancroft.*

This fungus is stated to be used in curries.

Auricularia porphyrea, (Fr.)

Distr:—Selangor, recorded by *Ridley,* 20.

AURICULARIA REFLEXA, Berk.

Distr:—Singapore, Botanic Gardens, on dead wood, *Sappan*, 5428.

TREMELLACEAE.

HETEROCHAETE TENUICULA, Pat.

Distr:—Singapore, Bukit Timah, on dead wood, *Chipp*, 5863.

TREMELLA PICEA, Massee.

Distr:—Selangor, on dead wood, recorded by *Ridley*, 27.

TREMELLODON AURANTIACUM, Massee.

Distr:—Selangor, on rotten wood, *Ridley*, 72.

DACRYOMYCETACEAE.

GUEPINIA BUCCINA, Sacc.

Distr:—Perak, *King's collector*. Without precise locality, on branches, *Scortechini*.

GUEPINIA COCHLEATA, Berk.

Distr:—Singapore, recorded by *Ridley*.

GUEPINIA FLABELLATA, Cke. Bancroft, in Agric. Bull. F. M. S. i. 261.

Distr:—Perak, Gopeng, on rotten logs, *Kunstler*, 646. Without precise locality, common on rotten logs, *Bancroft*.

GUEPINIA SPATHULARIA, Schw. Bancroft, in Agric. Bull. F. M. S. i. 261.

Distr:—Singapore, Botanic Gardens, on a dead branch of Ficus Benjamina, *E. M. Burkill*, 280. Economic Gardens, on a dead log, *Chipp*, 4843. Without precise locality, common on dead logs, *Bancroft*.

CALOCERA HOSTMANNI, Lev.

Distr:—Perak, *King's collector*. Without precise locality, *Scortechini*, 13.

CALOCERA STRICTA, Fries. Sharples, in Agric. Bull. F. M. S. ii. 84.

Distr:—Without precise locality, occurring very commonly on dead wood in newly opened rubber plantations, *Sharples*.

CALOCERA VISCOSA, Pers.

Distr:—Perak, *King's collector*. Without precise locality, on wood, *Scortechini*, 12.

THELEPHORACEAE.

Corticium calceum, Fries. Ridley, in Agric. Bull. S. and F. M. S. v. 69. Chipp, in Gard. Bull. S. S. ii. 188.

Distr:—Without precise locality, on the bark of Hevea brasiliensis, *Ridley*.

Corticium incarnatum, Fries.

Distr:—Without precise locality, on dead wood, *Scortechini*.

Corticium javanicum, Zimm. Bancroft, in Agric. Bull. F. M. S. i. 28. Sharples, in Agric. Bull. F. M. S. iii. 203. Chipp, in Gard. Bull. S. S. ii. 188.

Commonly reported on trees throughout the country. Considered as one of the causes of "Pink Disease."

Corticium lacteum, Fries.

Distr:—Perak, *King's collector*. Without precise locality, on wood and branches, *Scortechini*, 24.

Corticium laeve, Fries.

Distr:—Perak, *King's collector*. Without precise locality, on decaying wood, *Scortechini*, 120.

Corticium salmonicolor, Berk. and Br. Bancroft, in Agric. Bull. F. M. S. i. 218, 261. Brooks, in Agric. Bull. F. M. S. ii. 238. Bancroft, in Dep. Agric. F. M. S. Bull. No. 18. Brooks and Sharples, in Dep. Agric. F. M. S. Bull. No. 21. Chipp, in Gard. Bull. S. S. ii. 188, 232, 233, 234, 235, 236, 237, 276, 277, 280, 281.

Commonly reported on trees throughout the country, and treated at some length by Brooks and Sharples, and by Bancroft in the bulletins of the Agricultural Department F. M. S. Considered as one of the causes of "Pink Disease."

Stereum annosum, Berk. and Br.

Distr:—Perak, *King's collector*. Without precise locality, on wood, *Scortechini*, 97.

Stereum Astrea, Fries.

Distr:—Perak, *King's collector*.

Stereum aterrimum, Cke. Bancroft, in Agric. Bull. F. M. S. i. 261.

Distr:—Perak, Goping, on rotting wood in open dry ground, *Kunstler*. Singapore, Botanic Gardens, on dead wood, *Ridley*, 48. On a dead palm, *Sappan*, 5072.

STEREUM BICOLOR, Fries . .

Distr:—Singapore, Economic Gardens, on a dead log, *Chipp*, 4844.

STEREUM BOLLEANUM, Mont.

Distr:—Singapore, Botanic Gardens, on the ground, *Sappan*, 5147.

STEREUM CAPERATUM, Berk.

Distr:—Perak, *King's collector*, 943.

STEREUM COCOA, Berk.

Distr:—Selangor, Kanching Forest Reserve, on dead wood, *Chipp*, 5506.

STEREUM CUNEIFORME, Lloyd.

Distr:—Singapore, Economic Gardens, on the damp earth among the roots of Hevea brasiliensis, *E. M. Burkill*, 189, 254, 288.

STEREUM ELEGANS, Fries.

Distr:—Perak, *King's collector*.

STEREUM INCISUM, Lloyd.

Distr:—Singapore, Botanic Gardens, on the ground, *M. Noor*, 5134.

STEREUM INVOLUTUM, Kl. Bancroft, in Agric. Bull. F. M. S. i. 261.

Distr:—Perak, *Kunstler*, 645. Singapore, Botanic Gardens, on dead wood, *Sappan*, 5149. Economic Garden, on a dead twig, *Sappan*, 5429.

STEREUM LATUM, Cke. and Massee.

Distr:—Perak, on dead bark. Singapore, Botanic Gardens, on dead wood, *Sappan*, 5111. This specimen is considered at Kew to be S. percome, B. and Br.

STEREUM LOBATUM, Kunze. Bancroft, in Agric. Bull. F. M. S. i. 261.

Distr:—Perak, *Kunstler*, 620. *King's collector*, 1864, 2056. Penang, Waterfall, on dead wood, *Curtis*, 2188, 2189, 2190, 2194. Selangor, *Ridley*, 124. Singapore, Chua Chu Kang, *Ridley*, 2. Botanic Gardens, *Ridley*, 68, 69, 116, 128, 129.

This species seems to be distributed throughout the country.

STEREUM MELLISII, Berk.

Distr:—Perak, *Kunstler,* 634.

STEREUM MONOCHROUM, Cke. and Massee.

Distr:—Perak, on dead wood.

STEREUM NITIDULUM, Berk.

Distr:—Selangor, *Ridley,* 79. Johore, Tebong Tinggi, *Ridley,* 10989. Singapore, Botanic Gardens, *Ridley,* 8.

STEREUM OSTREA, Fries.

Distr:—Without precise locality, on logs, *Scortechini,* 16. 86, 113.

STEREUM PARTITUM, Berk. and Br.

Distr:—Singapore, Botanic Gardens, *Ridley,* 51.

STEREUM PERCOME, Berk. and Br.

Distr:—Singapore, Botanic Gardens, on dead wood, *Sappan,* 5111.

This specimen is regarded by Lloyd as being S. latum.

STEREUM PETALODES, Berk.

Distr:—Singapore, Botanic Gardens, *Ridley,* 58.

STEREUM RIMOSUM, Berk.

Distr:—Perak, Taiping Hill, *M. Haniff,* 2370.

STEREUM SPADICEUM, Fries.

Distr:—Perak, *King's collector,* 3604. Singapore, Botanic Gardens, *Ridley,* 29.

STEREUM SPECTABILE, Kl.

Distr:—Singapore, Botanic Gardens, on dead wood, *Sappan,* 5122.

STEREUM TENUISSIMUM, Berk.

Distr:—Penang, Waterfall Gardens, on dead wood, *M. Nagr,* 5621. Selangor, Port Swettenham, on dead mangrove below high tide mark, *Chipp,* 5632.

STEREUM VELLEREUM, Berk.

Distr:—Selangor, Batu Caves, on dead wood, *Ridley.* Singapore, Botanic Gardens, *Ridley,* 5.

CLADODERRIS CARTILAGINEA, Massee.

Distr:—Singapore, Botanic Gardens, on decayed wood buried in the ground, *Ridley*, 47.

Lloyd considers this to be a Tremellaceous plant of unique structure.

CLADODERRIS DENDRITICA, Pers. Bancroft, in Agric. Bull. F. M. S. i. 261.

Distr:—Penang, Balik Pulau, *Ridley*. Perak, *King's collector*, 2166, 3133. Singapore, Botanic Gardens, *Ridley*; Napier Road, on dead wood, *Sappan*, 5369.

CLADODERRIS INFUNDIBULIFORMIS, Kl.

Distr:—Selangor, Sungei Buloh, on dead wood, *Hashim*, 5009.

CLADODERRIS SPONGIOSA, Fries. Bancroft, in Agric. Bull. F. M. S. i. 261.

Distr:—Perak, *Kunstler*, 616.

CLADODERRIS THWAITESII, Berk.

Distr:—Singapore, Botanic Gardens, on bamboo shoots, *Ridley*, 38.

Considered by Lloyd to be a Tremellaceous plant of the same affinity as Ridley's specimen 47, determined by Massee as C. cartilaginea.

BECCARIELLA KINGIANA, Massee.

Distr:—Perak, Goping, on rotting logs in damp places, *King's collector*.

CRATERELLUS CORNUCOPIOIDES, Fries.

Distr:—Perak, *King's collector*. Selangor, Kuala Lumpur, *M. Noor*, 5582. Without precise locality, on logs, *Scortechini*, 99.

CRATERELLUS VERRUCOSA, Massee.

Distr:—Penang, on the ground at the foot of the hill, *Ridley*, 163.

CYPHELLA HEVEAE, Massee. Richards, in Agric. Bull. F. M. S. v. 308. Chipp, in Gard. Bull. S. S. ii. 188.

Distr:—Province Wellesley, on bark of Hevea brasiliensis, *Richards*.

HYMENOCHAETE CACAO, Berk.

Distr:—Perak, Maxwell's Hill, *Wray*, 13. Selangor, *Ridley*, 117. Kuala Lumpur, *Chipp*, 5696.

HYMENOCHAETE DEPALLENS, Berk. and Br.

Distr:—Singapore, *Beccari*.

HYMENOCHAETE NOXIA, Berk. Bancroft, in Agric. Bull. F. M. S. i. 219, and 261. South, in Agric. Bull. F. M. S. vi. 269. Chipp, in Gard. Bull. S. S. ii. 187.

Recorded by Bancroft for Perak, Selangor, Negri Sembilan, and Johore. One of the causes of "brown root disease" of rubber, coffee, camphor, etc.

HYMENOCHAETE PELLICULA, Berk. and Br.

Distr:—Perak, *King's collector*. Without precise locality, on branches of Eugeissona tristis, *Scortechini*, 40, 42.

HYMENOCHAETE PHACA, Berk.

Distr:—Penang, at the top of the hill, *Ridley*, 162. Selangor, Ginting Bidai, *Ridley*, 167. Kuala Lumpur, *Belgrave*, 4993.

HYMENOCHAETE STRIGOSA, Berk. and Br.

Distr:—Perak, *King's collector*. Without precise locality, on logs, *Scortechini*, 40, 180.

HYMENOCHAETE SUBPURPURASCENS, Berk.

Distr:—Perak, *King's collector*, 791.

HYMENOCHAETE TABACINA, Lev.

Distr:—Perak, *King's collector*. Without precise locality, on branches, *Scortechini*, 147 .

ASTEROSTROMA HAPALUM, Berk. and Br.

Distr:—Singapore, Botanic Gardens, on a dead vine, *Baker*, 5129.

ASTEROSTROMA INVESTIENS, Schw.

Distr:—Singapore, Blakang Mati, on branches of dead mangrove between low and high tide marks, *Chipp*, 5446.

HELICOBASIDIUM MOMPA, Tanaka. Ridley, in Agric. Bull. S. and F. M. S. i. 81. Chipp, in Gard. Bull. S. S. ii. 187.

Distr:—Selangor, *Ridley*. Doubtfully referred to this species by Massee.

RHIPIDONEMA LIGULATUM, Matt.

Distr:—Perak, *King's collector.* Singapore, on branches, *Scortechini*, 11.

CLAVARIACEAE.

PISTILLARIA FULGIDA, Fries.

Distr:—Perak, *King's collector.* Without precise locality, on dead fruits of Nephelium glabrum, *Scortechini*, 37.

CLAVARIA BICOLOR, Massee.

Distr:—Penang, Gardens' Jungle, recorded by *Ridley.*

CLAVARIA CANDELABRA, Massee.

Distr:—Selangor, on rotten wood, *Ridley*, 37.

CLAVARIA FRAGILIS, Holmsk.

Distr:—Singapore, Botanic Gardens, common on the rockeries, *Ridley.*

CLAVARIA FUSIFORMIS, Sowerby.

Distr:—Pahang, Gunong Tahan, growing among moss, 3300 feet altitude, *Robinson and Wray*, 5346.

CLAVARIA ORNITHOPODA, Massee.

Distr:—Penang, on the ground, *Ridley.*

CLAVARIA RIDLEYI, Massee.

Distr:—Perak, on the ground at the base of trees, *Brown*, 19.

CLAVARIA RUFESCENS, Fries.

Distr:—Perak, *King's collector.* Without precise locality, on wood, *Scortechini*, 21.

CLAVARIA STRICTA, Fries.

Distr:—Perak, *King's collector.* Without precise locality, on old logs, *Scortechini*, 9.

CLAVARIA TRICHOCLADA, Sacc. and Paol.

Distr:—Perak, *King's collector.* Without precise locality, on logs, *Scortechini.*

CLAVARIA TRICHOTOMA, Lev.

Distr:—Perak, *King's collector.* Without precise locality, on logs, *Scortechini*, 14.

CLAVARIA THWAITESII, Berk. and Br.

Distr:—Singapore, *Beccari.*

PTERULA SIMPLEX, Sacc. and Paol.

Distr:—Perak, *King's collector.* Without precise locality, on bark from a fallen tree, *Scortechini,* 159.

PTERULA TROPICA, Mont.

Distr:—Perak, *King's collector.* Without precise locality, on dead logs, *Scortechini.*

LACHNOCLADIUM BRASILIENSE, Sacc. A. L. Smith, in Journ. F. M. S. Museum, ii. 142.

Distr:—Pahang, Gunong Tahan, on dead wood, 3300 feet altitude, *Robinson and Wray,* 5416.

LACHNOCLADIUM FURCELLATUM, Sacc. Bancroft, in Agric. Bull. F. M. S. i. 261.

Distr:—Perak, 300 feet altitude, on dead wood, *Bancroft.* Selangor, Batu Caves, on rotten wood, *Ridley,* 19.

LACHNOCLADIUM SEMIVESTITUM, Berk. and Curt.

Distr:—Perak, *King's collector,* 4036.

HYDNACEAE.

LOPHARIA MIRABILIS, Pat. Baker, in Gard. Bull. S. S. ii. 112.

Distr:—Selangor, Kuala Lumpur, on dead branches, *Chipp,* 5559, 5694. Singapore, Botanic Gardens, on dead branch of Hevea brasiliensis, *Baker,* 447; on dead wood, *Sappan* 5119. Labrador Villa, on dead wood, *Chipp,* 5910.

GRANDINIA sp.

Distr:—Singapore, Blakang Mati, on dead mangrove below high tide mark, *Chipp,* 5439.

ODONTIA sp.

Distr:—Singapore, Blakang Mati, *Chipp,* 5472.

Occurs on dead mangrove and coral between low and high tide marks, forming conspicuous red and yellow patches.

HYDNUM CESATI, Berk.

Distr:—Perak, *King's collector.*

HYDNUM CRINIGERUM, Massee.

Distr:—Selangor, on dead bark, *Ridley,* 107. Perak and Singapore, *Ridley,* 28.

HYDNUM DURIUSCULUM, Lloyd.

Distr:—Singapore, at the base of trees, Botanic Gardens, *E. M. Burkill*, 88; Economic Garden, *E. M. Burkill*, 345.

HYDNUM ELATUM, Massee.

Distr:—Singapore, Botanic Gardens, on the ground, *E. M. Burkill*, 183. This specimen is considered by Lloyd to be H. ferreum.

HYDNUM FERREUM, Lloyd.

Distr:—Singapore, Botanic Gardens, on the ground, *E. M. Burkill*, 183. This specimen was originally determined by Massee as H. elatum.

HYDNUM FLAVIDUM, Lloyd.

Distr:—Singapore, Botanic Gardens, on a dead tree, *M. Noor*, 5109.

Forming bright yellow superimposed brackets.

HYDNUM GLABRESCENS, Berk. and Rav.

Distr:—Singapore, *Beccari*.

HYDNUM LEPTODON, Mont.

Distr:—Perak, *King's collector*. Without precise locality, on branches, *Scortechini*.

HYDNUM MALIENSE, Lloyd.

Distr:—Singapore, Botanic Gardens, *Sappan*, 5478. Bukit Timah, on the ground, *M. Noor*, 5096.

When fresh it varies in colour from deep purple to shades of grey.

HYDNUM SCLERODONTIUM, Berk. and Mont.

Distr:—Selangor, Gua Batu, *Ridley*, 102. Port Swettenham, on dead wood, *M. Noor*, 4099. Kuala Lumpur, *M. Noor*, 5497. Singapore, Botanic Gardens, *Ridley*, 4916; on a dead branch of Ficus Benjamina, *E. M. Burkill*, 312; on a dead log, *Flippance*, 6198. Chua Chu Kang, *Ridley*, 46. Bukit Timah, *Ridley*, A. 7.

Commonly found on dry logs throughout the country. It is a matter for consideration as to whether this should be a species of Odontia, or as Lloyd suggests a colonial species of Pterula, or again, is it to be associated in the groups apparently contained by Echinodia ranging to some form like Polystictus aculeifer.

HYDNUM STEREOIDES, Cke.

Distr:—Perak, on logs, *King's collector,* 1660.

HYDNUM SUBTILE, Fries.

Distr:—Perak, *King's collector.* Without precise locality, on branches, *Scortechini,* 182.

HYDNUM TAPEINUM, Massee.

Distr:—Selangor, on trunks, *Ridley,* 75.

CALODON RIDLEYI, Massee.

Distr:—Singapore, on the ground, *Ridley,* 72.

IRPEX FLAVUS, Kl. Ridley, in Agric. Bull. Mal. Penin. 1897, June, 147. Bancroft, in Agric. Bull. F. M. S. i. 30, 261. Baker, in Gard. Bull. S. S ii. 112. Chipp, in Gard. Bull. S. S. ii. 187, 236, 238.

Distr:—Penang, Waterfall Gardens, on dead wood, *M. Noor,* 5606. Selangor, Kuala Lumpur, on a trunk, *Hashim,* 5012. On an old coffee tree killed by it, *Ridley,* 19. Singapore, Jurong, *Lim Boon Keng,* 4804. Tanglin Barracks, on dead Pterocarpus indicus, *Chipp,* 5362. Botanic Gardens, on Eugenia grandis, *Baker,* 441; on fallen limbs, *Baker,* 5315; on dead Hevea brasiliensis, *Chipp,* 4827; on dead roots of Fibraurea, *Sappan,* 5358.

A bright yellow woody fungus, considered parasitic and a cause of disease at the collar and roots of trees.

POLYPORACEAE.

MERULIUS INSIGNIS, Wakef.

Now considered as a synonym of M. similis.

MERULIUS RUFUS, Fries.

Distr:—Perak, *King's collector.* Without precise locality, on logs, *Scortechini,* 19.

MERULIUS SIMILIS, Berk.

Distr:—Botanic Gardens, on bamboo stools, *Sappan,* 5138; *Flippance,* 6061.

When fresh this fungus is a bright yellow and orange colour, and of a consisteney like fresh rubber.

PORIA CALLOSA, Fries.

Distr:—Singapore, on dead twigs, Botanic Gardens, *Ridley,* 64, 4912; Economic Gardens, *Ridley,* A. 30; *E. M. Burkill,* 291.

Poria chaetoloma, Pat.

Distr:—Singapore, Botanic Gardens, on dead limbs of Cecropia peltata, *Baker,* 5409.

Poria Epimiltium, Berk.

Distr:—Selangor, Kuala Lumpur, on a dead branch, *M. Noor,* 5587.

Lloyd mentions as synonyms P. borbonica, Pat., and P. rufotincta, Ellis.

Poria ferruginosa, Fries.

Distr:—Singapore, Botanic Gardens, on dead twigs of Cyrtophyllum fragrans, *Baker,* 5486.

Poria glaucescens, Petch.

Distr:—Singapore, Chua Chu Kang, *Ridley,* A. 29. Woodlands, *Lim Boon Keng,* 4936.

Poria hypobrunnea, Petch.

Distr:—Perak, and Selangor, on Hevea brasiliensis, *Perry*

Poria hypolateritia, Berk. Bancroft, in Agric. Bull. F. M. S. iv. 347. South, in Agric. Bull. F. M. S. vi. 269. Chipp, in Gard. Bull. S. S. ii. 187, 235.

Specimens originally referred to this species were later determined as Fomes pseudoferreus.

Poria interrupta, Berk. and Br.

Distr:—Singapore, Tanglin Barracks, on dead Pterocarpus indicus, *Chipp,* 4678.

Poria leucoplaca, Berk.

Distr:—Perak, *King's collector.* Without precise locality, on branches, *Scortechini.*

Poria mellea, Berk. and Br.

Distr:—Perak, *King's collector.* Without precise locality, on branches, *Scortechini,* 104.

Poria Ravenalae, Berk. and Br.

Distr:—Penang, Waterfall Gardens, on dead stems of Attalea Cohune, *Burkill,* 4147. Selangor, Kuala Lumpur, on a rachis of Eugeissona tristis, *Chipp,* 5688. Singapore, *Ridley,* 70.

Poria vaporaria, Fries.

Distr:—Perak, *King's collector.*

Poria vincta, Berk.

Distr:—Perak, Gunong Batu Pateh, at 3400 feet on dead wood, *Wray*, 1216.

Poria vulgaris, Fries.

Distr:—Perak, *King's collector.* Without precise locality, on branches, *Scortechini*, 67.

Fomes annosus, Fries.

Distr:—Perak, *King's collector.* Without precise locality, on branches, *Scortechini*, 112.

Fomes applanatus, Pers.

Distr:—Penang, Waterfall Gardens, on a dead tree, *M. Noor*, 5616. Selangor, Kuala Lumpur, *M. Noor*, 5494. Singapore, Payar Lebar, on dead Cocos nucifera, *E. M. Burkill*, 326. Bukit Timah, *Chipp*, 5884. Botanic Gardens, on a rotten stump, *Chipp*, 5890. Economic Garden, on a Casuarina stump, *E. M. Burkill*, 334; on Cinnamomum iners, *A. Kadir*, 5792.

The largest of the hard woody bracket fungi. Common throughout the country.

Fomes arenosus, Cke.

Distr:—Perak, *King's collector.*

Fomes australis, Fries. Bancroft, in Agric. Bull. F. M. S. i. 262.

Distr:—Perak, *Kunstler*, 589, 590, 591, 592, 595, 606, 618. Penang, Waterfall Gardens, on stump of Albizzia Lebek, *Chipp*, 4985. Selangor, Kanching Forest Reserve, *Chipp*, 5508, 5590. Kuala Lumpur, on a Casuarina stump, *Chipp*, 5677. Singapore, Bukit Timah, on dead wood, *Chipp*, 5091, 5881, 5885. Botanic Gardens, *Ridley*, 2, 11. Without precise locality, on decaying trunks, *Scortechini*, 87.

Under this species are included the hard, heavy forms of this fungus as opposed to the lighter and more open F. applanatus.

Fomes Cacao, Pat.

Distr:—Singapore, Botanic Gardens, on rotten trunks, *Baker*, 5408.

FOMES CALIGINOSUS, Cke.

Distr:—Perak, *King's collector.*

FOMES CARYOPHYLLI, Rac.

Distr:—Singapore, Woodlands, on a dead tree, *M. Noor,* 5374. Botanic Gardens, on dead wood, *Sappan,* 5145.

FOMES CONCHATUS, Fries.

Distr:—Perak, *King's collector.* Without precise locality, on stems, *Scortechini,* 17.

FOMES CORNU-BOVIS, Cke.

Distr:—Perak, mentioned by *Ridley.*

Lloyd considers this species to be the same as Fomes melanoporus.

FOMES CURREYI, Berk.

Distr:—Perak, on stems, *King's collector.*

Lloyd considers this species the same as Trametes strigata.

FOMES DIABOLICUS, Berk.

Distr:—Perak, *King's collector,* 1947.

FOMES FASTUOSUS, Lev.

Distr:—Selangor, Port Swettenham, on dead mangrove below high tide level, *Chipp,* 5644.

FOMES FLOCCOSUS, Bres.

Distr:—Singapore, Botanic Gardens, on a rotting log, *Baker,* 5311.

This specimen was determined by Patouillard as Trametes floccosa.

FOMES FULVUS, Fries.

Distr:—Perak, *King's collector.* Without precise locality, on stems, *Scortechini,* 85.

FOMES GIBBOSUS, Nees.

Distr:—Selangor, Kanching Forest Reserve, *Chipp,* 5518. Singapore, Bukit Timah, on a dead log, *Chipp,* 5082. Woodlands, on dead wood, *M. Noor,* 5384, 5385.

There seems no reason to doubt that this species is an abnormal stipitate condition of the common Fomes applanatus, as suggested by Lloyd.

FOMES IGNARIUS, Fries.

Distr:—Perak, *King's collector*. Without precise locality, on stems, *Scortechini*, 35.

FOMES INTROSTUPPEUS, Berk.

Distr:—Perak, *King's collector*.

FOMES KERMES, Berk.

Distr:—Perak, *King's collector*.

FOMES LAMAENSIS, Murr.

Distr:—Singapore, Woodlands, on a dead log, *M. Noor*, 5377.

FOMES LEUCOPHAEUS, Mont.

Distr:—Singapore, Woodlands, on dead wood, *Lim Boon Keng*, 4935, *Sappan*, 5403. Economic Garden, on dead stem of Nephelium lappaceum, *Kiah*, 5722.

FOMES LIGNOSUS, Kl.

The quotations for this species here given refer to F. lignosus, although owing to an early error in determination it was at first described as F. semitostus, Sacc., and the earlier references are under that name. Gallagher, in Agric. Bull. S. and F. M. S. vii. 518. Bancroft, in Agric. Bull. F. M. S. i. 25, 141, 220, 261; and in Dep. Agric. F. M. S. Bull. No. 13. Chipp, in Gard. Bull. S. S. ii. 187, 231, 234, 235, 277, 278.

Distr:—Selangor, Kanching Forest Reserve, on dead wood, *Chipp*, 5503. Kuala Lumpur, *M. Noor*, 5491, 5492. Johore, Kukub, on fallen trees, *E. M. Burkill*, 320. Singapore, Bukit Timah, *Ridley*: Botanic Gardens, on various trees, bamboo, etc., many collections.

The well known disease of Hevea brasiliensis and jungle trees.

FOMES MACER, Fries.

Distr:—Singapore, Botanic Gardens, on twigs, mentioned by *Ridley*.

FOMES MARGINATUS, Fries.

Distr:—Perak, *King's collector*.

FOMES MULTIPLICATUS, Mont.

Distr:—Selangor, Kuala Lumpur, *M. Noor*, 5493, 5585.

FOMES NIGRO-LACCATUS, Berk.

Distr:—Selangor, *Ridley*, 121. Pahang, *Barnes*. Johore, Pengerang, *Cassim*, A. 28. Singapore, Botanic Gardens, *Ridley*: on dead wood, *Kiah*, 5732. Economic Garden, on dead wood, *Kiah*, 5723.

FOMES OBLIQUUS, Fries.

Distr:—Perak, *King's collector*, Without precise locality, growing over branches, *Scortechini*.

FOMES PACHYPHLOEUS, Pat.

Distr:—Selangor, Kuala Lumpur, *M. Noor*, 5563.

FOMES PHAEOPLACUS, Pat.

Dist:—Singapore, Botanic Gardens, on a rotting log, *Baker*, 424.

FOMES POMACEUS, Pers.

Distr:—Penang, Waterfall Gardens, *M. Noor*, 5597.

FOMES PSEUDO-FERREUS, Wakf. Belgrave, in Dep. Agric. F. M. S. Bull. No. 28. Chipp, in Gard. Bull. S. S. ii. 187, 235.

A "wet rot" of Hevea brasiliensis, at first described as Poria hypolateritia.

FOMES RHYTIPHLAEUS, Mont.

Distr:—Perak, *King's collector*. Without precise locality, on stems, *Scortechini*, 88, 89.

FOME ROBUSTUS, Kars.

Distr:—Kedah, Gunong Jerai, *M. Noor*, 5202. Singapore. Woodlands, on dead wood, *M. Noor*, 5379.

FOMES SENEX, Nees.

Distr:—Perak, *King's collector*. Penang, *Curtis*, 2189. Johore, Johore Bharu, on dead wood, *M. Noor*, 5853. Singapore, Woodlands, on dead wood, *M. Noor*, 5386, 5837; Bukit Timah, on dead wood, *Chipp*, 5867.

FOMES SUBSTYGIUS, Berk.

Distr:—Perak, *King's collector*.

FOMES SUBTORNATUS, Murr.

Distr:—Singapore, Woodlands, on a dead log, *M. Noor*, 5389. Government House Grounds, on stem of living Albizzia moluccana, *Flippance*, 6153.

FOMES SULCATUS, Cke.

Distr:—Perak, *King's collector.* Without precise locality, on stems, *Scortechini.*

FOMES THWAITESII, Berk.

Distr:—Perak, *King's collector.*

GANODERMUS AMBOINENSIS, Fries. Bancroft, in Agric. Bull. F. M. S. i. 261.

Distr:—Singapore, *Beccari;* Chua Chu Kang, *Ridley,* 45. Lloyd considers this the same as G. dorsalis of the "lucidus" group.

VAR. COCHLEARIS, Nees. Without precise locality, on stems and branches, *Scortechini,* 46.

GANODERMUS COLOSSUS, Fries.

Distr:—Singapore, Botanic Gardens, on dead Ficus Benjamina, *Baker,* 425.

GANODERMUS DORSALIS.

Distr:—Singapore, Botanic Gardens, on a log, *E. M. Burkill,* 310.

GANODERMUS LACCATUS, Zoll.

Distr:—Singapore, Botanic Gardens, on a fallen trunk, *Baker,* 5131.

GANODERMUS LUCIDUS, Ley. South, in Agric. Bull. F. M. S. vi. 269. Chipp, in Gard. Bull. S. S. ii. 197, 280.

Distr:—Penang, *Curtis,* 20*a*. Perak, *Kunstler.* Selangor, Kuala Lumpur, *Chipp,* 5673. Singapore, Tanjong Katong, on a dead stem of Cocos nucifera, *E. M. Burkill,* 179: Watten, *Flippance,* 6011. Without precise locality, on branches, *Scortechini,* 76.

A common stipitate form also occurs:—

Distr:—Selangor, Kuala Lumpur, *M. Noor,* 5498. Singapore, Tanglin Barracks, on dead Pterocarpus indicus, *Chipp,* 4677, 4679, 5658.

GANODERMUS MANGIFERAE, Lev.

Distr:—Singapore, Bedok, on a dead tree Cocos nucifera, *Burkill,* 107.

GANODERMUS MASTOPORUS, Lev.

Distr:—Penang, Waterfall Gardens, *M. Noor,* 5601. Singapore, Botanic Gardens, on a rotting log, *Baker,* 5321.

GANODERMUS OCHROLACCATUS, Bres.

Distr:—Selangor, Port Swettenham, on dead mangrove, *Chipp*, 5642.

POLYPORUS ABRUPTUS, Berk.

Distr:—Perak, *King's collector*. Perak and Singapore, *Ridley*, 130. Singapore, Woodlands, on dead wood, *M. Noor*, 5392.

POLYPORUS ACERVATUS, Lloyd.

Distr:—Singapore, Woodlands, on dead wood, *M. Noor*, 5391. A cream coloured fungus, growing in superimposed brackets. Lloyd places it next to Polyporus grammocephalus.

POLYPORUS ADUSTUS, Fries.

Distr:—Singapore, Woodlands, on dead bark, *Sappan*, 5410.

POLYPORUS AFFINIS, Nees. Bancroft, in Agric. Bull. F. M. S. i. 262.

Distr:—Perak, *Kunstler*, 629.

POLYPORUS ALBELLUS, Massee.

Distr:—Selangor, *Ridley*, 24, 80.

POLYPORUS ALVEOLARIS, Fries.

Distr:—Perak, *King's collector*, 4863.

POLYPORUS ANEBUS, Berk.

Distr:—Singapore, Pasir Panjang, on a dead trunk, *Burkill*, 106. Botanic Gardens, on dead logs of Ficus Benjamina, *Burkill*, A. 3; *E. M. Burkill*, 170.

POLYPORUS ARATUS, Berk. Bancroft, in Agric. Bull. F. M. S. i. 262.

Distr:—Penang, Waterfall Gardens, on dead wood, *M. Noor*, 5612. Perak, *Kunstler*, 617.

POLYPORUS ARENOSUS, Cke. Bancroft, in Agric. Bull. F. M. S. i. 262.

Distr:—Perak, Gopeng, on logs lying on sandy ground, *Kunstler*, 631.

POLYPORUS ARCULARIUS, Fries.

Distr:—Selangor, on rotten wood, *Ridley*, 31.

POLYPORUS ATER, Lloyd.

Distr:—Singapore, Woodlands, on dead wood, *M. Noor,* 5383. Distinguished by its completely black colour.

POLYPORUS AUBERIANUS, Mont. Bancroft, in Agric. Bull. F. M. S. i. 262.

Distr:—Perak, *Kunstler,* 615, 643.

POLYPORUS BIOGILVUS, Lloyd.

Distr:—Singapore, Bukit Timah, on a dead log, *Chipp,* 5092. A small straw coloured, fan shaped fungus.

POLYPORUS BLANCHETIANUS, Mont.

Distr:—Perak, *King's collector.* Without precise locality, on branches, *Scortechini,* 146.

POLYPORUS BRUNNEO-PICTUS, Berk. Bancroft, in Agric. Bull. F. M. S. i. 262.

Distr:—Perak, *Kunstler,* 629.

Lloyd considers that the Malay specimens named as this species by Cooke, should be Polystictus brunneo-maculatus.

POLYPORUS CALIGINOSUS, Mont. Bancroft, in Agric. Bull. F. M. S. i. 262.

Distr:—Perak, *Kunstler,* 596.

POLYPORUS CARNEO-FULVUS, Berk.

Distr:—Penang, Waterfall Gardens, *M. Noor,* 5619.
Lloyd considers this species to be but a colour form of Polyporous gilvus, Fries.

POLYPORUS CHRYSITES, Berk.

Distr:—Perak, *Kunstler,* 3837.

POLYPORUS CINERASCENS, Ces. Bancroft, in Agric. Bull. F. M. S. i. 262.

Distr:—Perak, *Kunstler,* 625.

POLYPORUS CINGULATUS, Berk. Bancroft, in Agric. Bull. F. M. S. i. 262.

Distr:—Perak, *Kunstler,* 597.

POLYPORUS COCHLEARIFORMIS, Cke.

Distr:—Perak, on logs, *King's collector,* 2821.

Polyporus cornu-bovis, Cke. Bancroft, in Aric. Bull. F. M. S. i. 262.

Distr:—Perak, Goping, on rotten logs, *Kunstler,* 595.

Polyporus cystidioides, Lloyd.

Distr:—Singapore, Botanic Gardens, on bark, *Sappan,* 5357.

Polyporus dichrous, Fries.

Distr:—Singapore, Economic Garden, *Ridley.* A. 31. Botanic Gardens, on fallen limbs, *Baker,* 5130.

Polyporus dictyopus, Mont.

Distr:—Malacca, Ayer Keroh, *Ridley,* 157.

Polyporus dimorphus, Cke.

Distr:—Perak, *Kunstler,* 644.

Polyporus durus, Jungh.

Distr:—Kedah, Gunong Jerai, *M. Noor,* 5219. Selangor, Kanching Forest Reserve, on dead wood, *Chipp,* 5509, 5511. Singapore, on dead wood, Bukit Timah, *Chipp,* 5086. Botanic Gardens, *Chipp,* 4911; *Kiah,* 5733.

Polyporus Emerici, Berk.

Distr:—Singapore, Botanic Gardens, on dying branches of Ficus Benjamina, *E. M. Burkill,* 332.

Considered by Lloyd to be a large-pored form of Polyporus grammocephalus.

Polyporus flavus, Jungh.

Distr:—Singapore, Botanic Gardens, *Baker,* 5315.

Polyporus gilvus, Fries.

Distr:—Perak, *King's collector.* Singapore, Dalvey Road, on stems of Nephelium lappaceum, *Kiah,* 5714. Tanglin Barracks, on branch of living Terminalia Catappa, *Chipp,* 4811. Blakang Mati, on dead mangrove below high tide mark, *Chipp,* 5473. Botanic Gardens, on a dead log, *M. Noor,* 5136; on a dead stem of Castanopsis, *Chipp,* 5891. Without precise locality, on branches, *Scortechini.*

This fungus often appears as brown sheets covering wounded portions of a living stem. It may prove to be a parasite.

POLYPORUS GRAMMOCEPHALUS, Berk. Baker, in Gard. Bull. S. S. ii. 112.

Distr:—Penang, *Beccari*. Perak, *King's collector*, 3836, 2989, 1107, 4134. Selangor, Kuala Lumpor, *Belgrave*, 4940. Singapore, Mandai Road, *Chipp*, 5826. Botanic Gardens, *Ridley*, 145, 146; *Sappan*, 5116, 5353, 5422; *Baker*. Economic Gardens, *Kiah*, 5725.

Common on dead logs.

Cooke also quotes the following records for *King's collector* in Perak:—

V. EMERICI, Berk. 739, 3441, 3442, 3444.
V. RUSSICEPS, Berk. 4257.
V. MACULATUS, Curt. 3343.

POLYPORUS HEMICAPNODES, Berk.

VAR. DIMORPHUS, Cke. Bancroft, in Agric. Bull. F. M. S. i. 262.

Distr:—Perak, Goping, on dead logs, *King's collector*, 665.

POLYPORUS HIRSUTUS, Pers. Bancroft, in Agric. Bull. F. M. S. i. 150, 220, 262. Baker, in Gard. Bull. S. S. ii. 112. Chipp, in Gard. Bull. S. S. ii. 197, 280.

Common on dead logs everywhere.

POLYPORUS HOOKERI, Berk.

Distr:—Singapore, Botanic Gardens, on a dead log, *M. Noor*, 5137.

POLYPORUS INCURVUS, Cke. Bancroft, in Agric. Bull. F. M. S. i. 262.

Distr:—Perak, Goping, *King's collector*, 610.

POLYPORUS INFLEXIBILIS, Berk.

Distr:—Perak, *Kunstler*, 627.

POLYPORUS INTROSTUPPEUS, Berk. and Cke. Bancroft, in Agric. Bull. F. M. S. i. 262.

Distr:—Perak, on jungle trees, *Kunstler*, 587.

POLYPORUS IOBAPHUS, Pat.

Distr:—Singapore, Botanic Gardens, on rotting logs, *Baker*, 472.

POLYPORUS KERMES, Berk. Bancroft, in Agric. Bull. F. M. S. i. 262.

Distr:—Perak, *Kunstler*, 601.

POLYPORUS LICHNOIDES, Mont.

Distr:—Singapore, Bukit Timah, on a dead log, *Chipp*, 5098.

POLYPORUS OCCIDENTALIS, Kl. Ridley, in Agric. Bull. S. and F. M. S. vii. 230. Fox, in Agric. Bull. S. and F. M. S. ix. 133. Bancroft, in Agric. Bull. F. M. S. i. 150, 220, 262. Chipp, in Gard. Bull. S. S. ii. 197. (under Polystictus) 233.

Common on dead wood throughout the country.

POLYPORUS OCHROLEUCUS, Berk.

Distr:—Perak, *King's collector*. Without precise locality, on stems, *Scortechini*.

POLYPORUS OSTREIFORMIS, Berk.

Distr:—Selangor, Port Swettenham, on dead mangrove below high tide mark, *Chipp*, 5639.

POLYPORUS PHAEODERMUS, Pat.

Distr:—Singapore, Botanic Gardens, on a rotting trunk, Baker, 5412.

POLYPORUS RAVENALAE, R. Br.

Distr:—Singapore, *Beccari*.

POLYPORUS RETRO-ATER, Lloyd.

Distr:—Selangor, Kanching Forest Reserve, on bark, *Chipp*, 5650.

POLYPORUS RHOMBIPORUS, Pat.

Distr:—Singapore, Botanic Gardens, on a stump, *Baker*, 480.

POLYPORUS RUBIDUS, Berk.

Distr:—Penang, Waterfall Gardens, on dead wood, *M. Noor*, 5593. Perak, *King's collector*. Selangor, Kuala Lumpor, on dead wood, *M. Noor*, 5558. Johore Bahru, *M. Noor*, 5856. Singapore, Woodlands, on dead wood, *M. Noor*, 5390; *Sappan*, 5408. Without precise locality, on stems, *Scortechini*, 156.

Easily recognised by its pale pink colour, though some forms approximate in colour to Fomes lignosus and have in the field at first been taken for that species.

POLYPORUS RUFO-FLAVUS, Berk. and Curt.

Distr:—Singapore, *Beccari*.

POLYPORUS RUGOSUS, Nees.

Very commonly distributed throughout the country, generally found growing on the ground, the base of the stipe attached to rootlets. The pore surface is pure white and forms a sharp contrast to the uniform black of the rest of the fungus. When the pore surface is bruised or scratched it quickly reddens. Lloyd considers that the reference of these Malayan specimens should rather be to P. Ramosii, Murr. owing to their thin and comparatively slender structure.

POLYPORUS RUGULOSUS, Jungh. Baker, in Gard. Bull. S. S. ii. 112.

Distr:—Singapore, Botanic Gardens, on rotting trunks, *Baker*, 5305.

POLYPORUS SCOPULOSUS, Berk.

Distr:—Singapore, Botanic Gardens, *E. M. Burkill*, 170; *Flippance*, 5646.

Sometimes shown as a species of Fomes or Trametes, and occasionally under the specific name of "rhizophorae."

POLYPORUS SCRUPOSUS, Fries.

Distr:—Perak, *King's collector*. Without precise locality, on stems. *Scortechini*, 63.

POLYPORUS SENEX, Berk. and Mont. Bancroft, in Agric. Bull. F. M. S. i. 262.

Distr:—Perak, *Kunstler*, 588, 594.

POLYPORUS SEPIA, Lloyd.

Distr:—Singapore, Ponggul, on a dead coconut tree, *Burkill*, 105. Botanic Gardens, *Ridley*, A. 24; on the stem of a living Albizzia, *E. M. Burkill*, 129; on logs of Ficus Benjamina, *E. M. Burkill*, 169.

POLYPORUS SPONGIA, Fries. Sharples, in Agric. Bull. F. M. S. ii. 84.

Distr:—Selangor, Kuala Lumpor, at the base of a dead stump, *Sharples*.

POLYPORUS SUBERIANUS, Mont.

Distr:—Perak, *King's collector*.

POLYPORUS SULFUREUS, Fries.

Distr:—Singapore, Botanic Gardens, *Baker*, 5194.

POLYPORUS THEOBROMAE, Lloyd .

Distr:—Singapore, Blakang Mati, on dead mangrove below high tide mark, *Chipp*, 5441.

Lloyd suggests that this may be another link in a series of development exampled by Echinodia, P. Theobromae, Hydnum sclerodontium, and Polystictus aculeifer.

POLYPORUS THWAITESII, Berk. and Br. Bancroft, in Agric. Bull. F. M. S. i. 262.

Distr:—Perak, *Kunstler*, 642.

POLYPORUS UNGULATUS, Bull.

Distr:—Penang, *Beccari*.

POLYPORUS VIBECINUS, Fries.

Distr:—Perak, *King's collector*. Without precise locality, on trunks and branches, *Scortechini*, 47.

POLYPORUS VULNERATUS, Lev.

Distr:—Singapore, Botanic Gardens, on a rotting log, *Baker*, 5320.

POLYPORUS WILLIAMSII, Merr. Baker, in Gard. Bull. S. S. ii. 112.

Distr:—Singapore, Botanic Gardens, on a stump of Hevea brasiliensis, *Baker*, 5423.

POLYPORUS ZONALIS, Berk.

Distr:—Selangor, Kuala Lumpor, *Belgrave*, 4992. Singapore, Botanic Gardens, on a jungle stump, *E. M. Burkill*, 184.

ECHINODIA THEOBROMAE, Pat. Burkill, in Gard. Bull. S. S. ii. 144. Chipp, in Gard. Bull. S. S. ii. 199.

Distr:—Kedah, Gunong Jerai, *M. Noor*, 5211. Singapore, Botanic Gardens, on a dead limb of Theobroma Cacao, *Baker*, 5410; on dead wood, *E. M. Burkill*, 314; on a dead branch of a Quercus, *Ahmat*, 5143; *Chipp*, 5735; *Burkill*, 6151.

See remarks under Hydnum sclerodontium.

POLYSTICTUS ACULEANS, Berk.

Distr:—Perak, *King's collector.* Singapore, *Chipp,* 4924. Without precise locality, on stems, *Scortechini,* 66.

In determining specimen 4924, which is the only one of the above he definitely assigns to this species, Lloyd remarks "Is it not strange, illustrating the sporadic occurrence of fungus species, that this plant which was found in Brazil sixty five years ago by Spruce was re-collected for the first time in Malay only in 1919?"

POYLSTICTUS ACULEIFER, Berk.

Distr:—Singapore, Botanic Gardens, on a dead log, *Sappan,* 5066.

See remarks under Hydnum sclerodontium. This is the first record for this species outside the American tropics.

POLYSTICTUS ALBOBADIUS, Lloyd.

Distr:—Penang, Waterfall Gardens, on dead wood, *M. Noor,* 5603.

POLYSTICTUS ALBOCERVINUS, Sacc.

Distr:—Selangor, *Ridley,* 119.

POLYSTICTUS ANOMALOSUS, Lloyd.

Distr:—Singapore, Botanic Gardens, *Ridley,* A. 26.

POLYSTICTUS BADIUS, (Berk).

Distr:—Selangor, Kanching Forest Reserve, on dead wood, *Chipp,* 5512.

Lloyd suggests that this specimen might be considered as a "var. microporus," owing to its smaller pores.

POLYSTICTUS BASIPHAEUS, Sacc. and Paol.

Distr:—Without precise locality, on stems, *Scortechini,* 27.

POLYSTICTUS BICOLOR, Lloyd.

Distr:—Singapore, Botanic Gardens, on bark, *Sappan,* 5352.

POLYSTICTUS BRUNNEO-MACULATUS, Currey.

Distr:—Singapore, Economic Garden, on a dead log, *A. Kadir,* 5414.

POLYSTICTUS CAPERATUS, Berk.

Distr:—Singapore, Botanic Gardens, *Ridley,* 60: on dead wood, *Sappan,* 5126, 5423: *Kiah,* 5738.

Polystictus cervino-gilvus, Jungh.

Distr:—Singapore, Blakang Mati, on dead mangrove below high tide mark, *Chipp*, 5435.

Polystictus cichoraceus, Berk.

Distr:—Penang, Waterfall Gardens, on dead wood, *M. Noor*, 5605. Perak, *King's collector*. Singapore, Botanic Gardens, on dead wood, *Sappan*, 5148. Without precise locality, on branches, *Scortechini*.

Polystictus cinnamomeus, Fries.

Distr:—Singapore, Botanic Gardens, about the roots of Cyrtophyllum fragrans, *E. M. Burkill*, 270.

Polystictus crenatus, Berk.

Distr:—Singapore, on dead logs, Bukit Timah, *Chipp*, 5100; Botanic Gardens, *M. Noor*, 5130.

It is difficult to separate this species from P. pterygodes, Fr., and some authorities consider these two specimens should be placed under that species.

Polystictus cristatus, Cke.

Distr:—Singapore, Woodlands, on dead wood, *M. Noor*, 5382.

Polystictus cuproroseus, Berk.

Distr:—Perak, *King's collector*, 1867.

Polystictus dermatodes.

Distr:—Singapore, Botanic Gardens, *Ridley*, 22. Originally determined as Hexagona pergamenea, but referred to above species on Lloyd's authority.

Polystictus dilatatus, Berk.

Distr:—Perak, *Kunstler*, 2799.

Polystictus discipes, Berk.

Distr:—Perak, *Kunstler*, 3913, 4135.

See also under Polystictus maliensis.

Polystictus elongatus, Sacc.

Distr:—Perak, *King's collector*, 3665. Selangor, *Ridley*, 109. Singapore, Botanic Gardens, *Ridley*, 138.

Polystictus Feei, Fries.

Distr:—Singapore, Botanic Gardens, *Ridley*, 144. Without precise locality, on decaying branches, *Scortechini*, 69.

Polystictus flabelliformis, Fries. Bancroft, in Agric. Bull. F. M. S. i. 262.

Distr:—Penang, *Beccari*. Perak, *Kunstler*, 637, 640. Perak and Singapore, *Ridley*, 65, 103, 112. Singapore, Kranji, on a dead stick, *Chipp*, 6003. Bukit Timah, on a dead branch, *Chipp*, 5877. Botanic Gardens, on a fallen branch, *E. M. Burkill*, 138; *Husein*, 5532; *Sappan*, 5421.

Commonly recorded throughout the country.

Polystictus floridanus, Sacc. Bancroft, in Agric. Bull. F. M. S. i. 150. Chipp, in Gard. Bull. S. S. ii. 197, 280.

Distr:—Selangor, *Ridley*, 114.

Polystictus gallo-pavonis, Berk.

Distr:—Singapore, Botanic Gardens, on dead wood, *Sappan*, 5361.

Polystictus kurzianus, Cke.

Distr:—Singapore, Botanic Gardens, on a dead log of Ficus Benjamina, *E. M. Burkill*, 319.

Polystictus latus, Berk.

Distr:—Perak, *King's collector*, 740. Selangor, *Ridley*, 93. Singapore, *Ridley*, 23, 26.

Polystictus lilacino-gilvus, Sacc.

Distr:—Selangor, *Ridley*, 101, 108; Batu Caves, *Ridley*, 100.

Polystictus lutescens, Pers.

Distr:—Perak, *King's collector*. Without precise locality, on decaying stems, *Scortechini*, 5, 111.

Polystictus luteus, Bl. and Nees.

Distr:—Perak, *Kunstler*. Without precise locality, on stems and branches, *Scortechini*, 84.

Polystictus malaccensis, Cke.

Distr:—Perak, *Kunstler*.

Polystictus maliensis, Cke.

Distr:—Penang, Waterfall Gardens, on dead wood, *M. Noor*, 5622. Perak, on logs, *King's collector*, 5398. Singapore, Botanic Gardens, on a dead log, *M. Noor*, 5135. Economic Garden, *Chipp*, 4814.

Specimens 5135 and 5622 are considered at Kew to belong to the closely allied species P. discipes. Lloyd considers they might be named P. aratoides if that species can be considered to be distinct from P. maliensis.

Polystictus membranaceus, Sacc.

Distr:—Selangor, *Ridley*, 92.

Polystictus Menziesii, Cke.

Distr:—Singapore, *Ridley*, 37.

Polystictus microcyclus, Zipp.

Distr:—Perak, *Kunstler*, 910. Singapore, *Ridley*, 132.

Polystictus molliusculus, Berk.

Distr:—Singapore, Botanic Gardens, *Ridley*, 38.

Polystictus mutabilis, Berk. and Curt. Bancroft, in Agric. Bull. F. M. S. i. 262.

Distr:—Perak, *King's collector*. Without precise locality, on branches, *Scortechini*.

Polystictus nilgherrensis, Mont.

Distr:—Perak, *Kunstler*, 2001.

Polystictus obovatus, Jungh.

Distr:—Singapore, Botanic Gardens, *Ridley*, 55. Determined by Massee as P. liemophorus, which is considered by Lloyd to be a dark form of this species.

Polystictus pallidus, Berk.

Distr:—Selangor, Kuala Lumpor, *M. Noor*, 5561.

Polystictus perennis, Fries.

Distr:—Perak, *Kunstler*.

Polystictus Persoonii, Cke.

See under Trametes Persoonii.

Polystictus pterygodes, Fries.

See under Polystictus crenatus.

Polystictus Ridleyi, Massee.

Distr:—Malacca, Ayer Keroh, *Ridley*, 149.

Polystictus rigescens, Cke.

Distr:—Perak, on rotting logs, *King's collector*, 4818.

Polystictus sacer, Fries.

Distr:—Perak, *King's collector*, 911, 1822. Singapore, *Ridley*, 36.

Polystictus sanguineus, Fries. Bancroft, in Agric. Bull. F. M. S. i. 262. Chipp, in Gard. Bull. S. S. ii. 190.

One of the commonest woody fungi, occurring everywhere on dead wood and easily noticeable from its bright scarlet colour.

Polystictus Sector, Fries.

Distr:—Singapore, Botanic Gardens, *Ridley*, 62.

var. cubicola, Berk.

Distr:—Without precise locality, on branches, *Scortechini*, 150.

Polystictus squamaeformis, Berk.

Distr:—Perak, *King's collector*, 3682. Singapore, Botanic Gardens, *Ridley*, 61.

Polystictus stereinus, Berk. and Curt. Bancroft, in Agric. Bull. F. M. S. i. 262.

Distr:—Penang, Maxwell Hill, at 3000 feet, on dead wood, *Curtis*, 20*c*.

Polystictus submembranaceus, Berk. Bancroft, in Agric. Bull. F. M. S. i. 262.

Distr:—Perak, *Kunstler*, 613.

Polystictus subpellucidus, Sacc.

Distr:—Selangor, *Ridley*, 98.

Polystictus substygius, Berk. and Br. Bancroft, in Agric. Bull. F. M. S. i. 262.

Distr:—Perak, *Kunstler*, 633.

POLYSTICTUS TABACINUS, Mont.

Distr:—Perak, *King's collector.* Selangor, Kanching Forest Reserve, *Chipp,* 5516. Without precise locality, on dying stems, *Scortechini,* 39, 54, 90.

Lloyd considers that specimen 5516 might be referred to P. substygius.

POLYSTICTUS VERSICOLOR, Fr.

Distr:—Perak, *Kunstler.* Without precise locality on stems, *Scortechini,* 52, 111, 123, 178.

POLYSTICTUS VINOSUS, Berk.

Distr:—Penang, Waterfall Gardens, on dead wood, *M. Noor,* 5608. Perak, *King's collector,* 2143. Singapore, Botanic Gardens, *Ridley,* 26, 59.

POLYSTICTUS VIRGINEUS, Fries.

Ditsr:—Perak, *Kunstler.* Without precise locality, on dead branches, *Scortechini,* 128.

POLYSTICTUS XANTHOPUS, Fries. Bancroft, in Agric. Bull. F. M. S. i. 262.

One of the most widely distributed fungi, growing on dead wood.

POLYSTICTUS XERAMPELINUS, Sacc. Bancroft, in Agric. Bull. F. M. S. i. 262.

Distr:—Singapore, Botanic Gardens, *Ridley,* 12.

TRAMETES BADIA, Berk.

Distr:—Singapore, Woodlands, on dead wood, *Sappan,* 5405. Botanic Gardens, *Baker,* 492.

Specimen 5405 is doubtfully referred to this species by Lloyd.

TRAMETES CINGULATA, Berk.

Distr:—Perak, *King's collector,* 3088.

TRAMETES CORRUGATA, Bres.

See under T. Persoonii.

TRAMETES CURREYI, Cke.

Distr:—Perak, *King's collector.*

TRAMETES FLOCCOSA, Bres.

Distr:—Singapore, Botanic Gardens, on rotting logs, *Baker,* 5311.

TRAMETES LACHNEA, Berk. Baker, in Gard. Bull. S. S. ii. 112.

Distr:—Singapore, on fallen limbs of Hevea brasiliensis, *Baker.*

TRAMETES LACTINIA, Berk.

Distr:—Singapore, Woodlands, on dead wood, *Sappan,* 5406. Botanic Gardens, on a fallen trunk, *Baker,* 5192.

TRAMETES LOBATA, Berk.

Distr:—Perak, *King's collector,* 4600, 5774.

TRAMETES MARCHIONICA, Lev.

Distr:—Singapore, Botanic Gardens, on a dead branch of a Ficus, *E. M. Burkill,* 105. *Chipp,* 5250.

TRAMETES MEYNII, Kl.

Distr:—Johore, Johore Bahru, on dead wood, *M. Noor,* 5859. Singapore, Economic Garden, on a dead Casuarina, *Sappan,* 5366.

Lloyd gives the following synonyms for this species, Polystictus obstinatus, Cke. and Trametes cornea, Pat.

TRAMETES MUELLERI, Berk.

Distr:—Selangor, Kuala Lumpor, on a Casuarina stump, *Chipp,* 5676. Singapore, Economic Garden, *Chipp,* 4838.

TRAMETES OCCIDENTALIS, Fries.

Distr:—Perak, *Kunstler,* 605, 614, 619.

TRAMETES PERSOONII, Mont. Baker, in Gard. Bull. S. S. ii. 112. One of the commonest fungi, to be found everywhere on dead logs.

TRAMETES PUNICEA, Fries.

Distr:—Perak, *King's collector.* Penang, on branches, *Scortechini,* 177.

TRAMETES RIGIDA, Berk. Bancroft, in Agric. Bull. F. M. S. i. 262.
Distr:—Perak, *Kunstler,* 608.

TRAMETES SERICEA.

Distr:—Selangor, Kuala Lumpor, *Ridley,* 165.

TRAMETES SERPENS, Fries.

Very common everywhere on dead branches and twigs.

Trametes transmutans, Lloyd.

Distr:—Singapore, Botanic Gardens, on dead wood, *Sappan*, 5364.

As Lloyd suggests, this is quite possibly a derivative of Lenzites repanda.

Trametes versatilis, Berk.

Distr:—Perak, *King's collector*, 1239, 4607. Singapore, on dead wood, Woodlands, *M. Noor*, 5371. Napier Road, *Sappan*, 5370. Bukit Timah, *Chipp*, 5093, 5865, 5889.

Daedalea andamanica, Berk.

Distr:—Perak, on trunks, *King's collector*, 4161.

Daedalea flavida, Lev.

Distr:—Johore, Johore Bahru, Causeway Works, *Chipp*, 5857. Singapore, Woodlands, on dead wood, *M. Noor*, 5388. Economic Garden, on dead Casuarina, *Sappan*, 5365; on dead wood, *Flippance*, 5924.

Specimens of this affinity are most variable, and according to Lloyd may be placed under any one of seventeen different names, according to the form taken by the hymenium.

Daedalea intermedia, Berk.

Distr:—Singapore, Botanic Gardens, on dead timber, *Ridley*, 65.

Daedalea lenzitiformis, Ces.

Distr:—Penang, *Beccari*. Perak, *King's collector*. Without precise locality, on stems, *Scortechini*, 15.

Daedalea Ridleyi, Lloyd.

Distr:—Singapore, Bukit Timah, *Ridley*, 4920.

Daedalea sanguinea, Kl. Bancroft, in Agric. Bull. F. M. S. i. 262.

Distr:—Penang, *Beccari*. Perak, *Kunstler*, 605.

Daedalea subcongener, Berk.

Distr:—Penang, *Curtis*, 2196.

Lenzites albida, Fries.

Distr:—Perak, *King's collector*.

LENZITES APPLANATA, Fries.

Distr:—Perak, *Kunstler,* 598, 599. Selangor, common on rotten trees, Gua Batu, *Ridley,* 87.

LENZITES BETULINA, Fries.

Distr:—Without precise locality, on branches, *Scortechini,* 121.

LENZITES DEPLANATA, Fries.

Distr:—Perak, *King's collector,* 4727.

LENZITES MALACCENSIS, Sacc. and Cub.

Distr:—Without precise locality, on stems, *Scortechini,* 140.

LENZITES PALISOTI, Fries.

Distr:—Singapore, Botanic Gardens, on dead wood, *Baker,* 5308; *Chipp,* 4817, 5843.

LENZITES PLATYPHYLLA, Cke. Bancroft, in Agric. Bull. F. M. S. i. 263.

Distr:—Perak, Goping, on rotting wood, *King's collector,* 607, 4512.

This name is considered at Kew as a synonym for L. malaccensis.

LENZITES PLATYPHYLLA, Lev.

Distr:—Selangor, on dead wood, *Ridley,* 26, 85, 91; Gua Batu, *Ridley,* 88. Singapore, Economic Garden, on a dead log, *Chipp,* 5417.

LENZITES REPANDA, Mont.

Distr:—Penang, Waterfall Gardens, on dead wood, *M. Noor,* 5607. Selangor, Kuala Lumpur, *M. Noor,* 5490. Singapore, Bukit Timah, *Chipp,* 5088. Botanic Gardens, *Sappan,* 5363; *Flippance,* 6173. Economic Garden, on a dead stem of Hevea brasiliensis, *Chipp,* 5749; *Flippance,* 5923.

Common on dead wood. Generally an ivory white colour but sometimes cream.

HEXAGONIA ALBIDA, Berk.

Distr:—Penang, Waterfall Gardens, on dead Albizzia, *M. Noor,* 5592. Singapore, on dead wood, Botanic Gardens, *Ridley,* A. 39, 153; *E. M. Burkill,* 271, 275, 297, 305. Napier Road, *Sappan,* 5368.

At Kew specimen 5368 was determined as H. macrotrema.

HEXAGONIA ANGULATA, Lloyd.

Distr:—Penang, Waterfall Gardens, on dead wood, *M. Noor*, 5604.

HEXAGONIA CERVINO-PLUMBEA, Jungh. Baker, in Gard. Bull. S. S. ii. 112.

Distr:—Singapore, Botanic Gardens, on limbs of Hevea brasiliensis, *Baker*, 435.

HEXAGONIA CUCULLATA, Mont.

Distr:—Singapore, Botanic Gardens, on the ground, *Sappan*, 5483.

HEXAGONIA DURISSIMA, Berk.

Distr:—Singapore, Botanic Gardens, *Ridley*, A. 25; on dead logs, *E. M. Burkill*, 93; *M. Noor*, 5110.

A black resinous heavy fungus with white pore mouths, and as hard as iron.

HEXAGONIA FLAVIDA, Lev.

Distr:—Singapore, Bukit Timah, on a dead log, *Chipp*, 5075.

Lloyd remarks that this is one of the many hymenial forms of Daedalea flavida.

HEXAGONIA POLYGRAMMA, Mont. Chipp, in Gard. Bull. S. S. ii. 232.

The specimen here referred to has since been determined as H. umbrosus. The species typically "polygramma" does not appear to have been collected in Malay so far.

HEXAGONIA PULCHELLA, Lev. Baker, in Gard. Bull. S. S. ii. 112.

Distr:—Singapore, on dead branches, Botanic Gardens, *Baker*, 436; *E. M. Burkill*, 104, 321.

HEXAGONIA SUBACULEATA, Ces.

Distr:—Johore, *Beccari*.

HEXAGONIA TENUIS, Hook. Bancroft, in Agric. Bull. F. M. S. i. 262. A. L. Smith, in Journ. F. M. S. Museums, ii. 142.

Distr:—Penang, *Curtis*, 2187, 2197. Perak, *King's collector*, 3342. Pahang, Gunong Tahan, at 3300 feet, on dead wood, *Wray and Robinson*. Singapore, Mandai Road, on dead branches, *Chipp*, 5804. Botanic Gardens, *Ridley*, 143; *M. Noor*, 5521. Economic Garden, *Ridley*, A. 20; *Kiah*, 5726.

Hexagonia Thwaitesii, Berk. Baker, in Gard. Bull. S. S. ii. 112.

Distr:—Singapore, on dead limbs of Hevea brasiliensis, *Baker*.

Hexagonia tricolor, Fries.

Distr:—Selangor, Kuala Lumpur, *M. Noor*, 5569.

According to Lloyd H. discopoda, Pat. is the same species.

Hexagonia umbrosa, Lloyd.

Distr:—Pahang, Pekan, collector not stated. Selangor, Port Swettenham, on dead mangrove below high tide mark, *Chipp*, 5634. Singapore, Jurong, on an old tree of Artocarpus integrifolia, *Ridley*, A. 21. Blakang Mati, on dead mangrove below high tide mark, *Chipp*, 5460. Botanic Gardens, *Ridley*, 141; *Chipp*, 5784.

Laschia agaricina, Pat.

Distr:—Singapore, Botanic Gardens, on dead twigs, *E. M. Burkill*, 277, part.

Laschia caespitosa, Berk.

Distr:—Selangor, on dead wood, *Ridley*, 12, 25, 32. Without precise locality, on stems, *Scortechini*.

Laschia Chippii, Lloyd.

Distr:—Penang, Waterfall Gardens, on dead palm stems, *Chipp*, 4698.

Laschia delicatula, Fries.

Distr:—Perak, *King's collector*. Without precise locality, on dead wood, *Scortechini*.

Laschia similis, Lloyd.

Distr:—Singapore, Bukit Timah, on a dead log, *Chipp*, 5084.

Laschia tremellosa, Fries.

Distr:—Perak, *King's collector*.

Favolus alutaceus, Berk. and Mont.

Distr:—Perak, *King's collector*. Without precise locality, on branches, *Scortechini*.

Favolus boucheanus, Kl.

Distr:—Singapore, *Ridley*, 161.

FAVOLUS BRASILIENSIS. Fries. Bancroft. in Agric. Bull. F. M. S. i. 262.

Distr:—Upper Perak, on dead wood, *Bancroft.*

FAVOLUS FLACCIDUS, Fries.

Distr:—Perak, *King's collector.* Without precise locality, on dead logs, *Scortechini,* 53.

FAVOLUS MOLLUCCENSIS. Mont.

Distr:—Perak, *King's collector.* Singapore, Botanic Gardens, on dying branches of Ficus Benjamina, *E. M. Burkill,* 331. Without precise locality, on decaying logs, *Scortechini.* 117.

FAVOLUS PUXILLUS. Fries.

VAR. PALLIDIPES.

Distr:—Perak, *King's collector.* Without precise locality, on logs, *Scortechini.*

FAVOLUS RUFICEPS, Berk. and Br.

Distr:—Singapore, Botanic Gardens, on wood, *Ridley.*

FAVOLUS SCABER. Berk. and Br. Bancroft. in Agric. Bull. F. M. S. i. 262.

Distr:—Perak. *Kunstler,* 639. Selangor, on dead wood, *Ridley,* 30.

VAR. FUSCA. Ces.

Distr:—Singapore, *Beccari.*

FAVOLUS SPATHULATUS. Jungh. Baker, in Gard. Bull. S. S. ii. 112.

Distr:—Singapore, Botanic Gardens, on dead limbs of Hevea brasiliensis, *Baker,* 5420. Economic Garden, on stem of Hevea brasiliensis, *Sappan,* 5431.

FAVOLUS TESSELLATUS, Mont.

Distr:—Perak. *King's collector.* 1192. Selangor, Kuala Lumpor, *Chipp,* 5700. Singapore, Bukit Timah, *Ridley,* A. 27. Botanic Gardens, on dead wood, *E. M. Burkill,* 278; *Sappan,* 5115.

CYCLOMYCES FUSCUS, Fries.

Distr:—Kedah, Gunong Jerai, *M. Noor,* 5203. Perak, *King's collector,* 4341. Penang, Waterfall Gardens, on dead wood. *M. Noor,* 5598. Malacca, Ayer Keroh, *Ridley,* 152.

CYCLOMYCES STEREOIDES, Sacc. and Paol.

Distr:—Perak, *King's collector.* Without precise locality, on branches, *Scortechini.*

BOLETUS ALBELLUS, Massee.

Distr:—Singapore, *Ridley,* 11. ser. 2.

BOLETUS ALTISSMUS, Massee.

Distr:—Singapore, *Ridley,* 9 ser. 2.

BOLETUS ALWISII, Massee.

Distr:—Singapore, *Ridley,* 42, 95 ser. 2.

BOLETUS AUREO-MYCETINUS, Pat. and Baker, in Journ. R. As. Soc. Straits Branch, No. 78.

Distr:—Singapore, Gardens' Jungle, *Baker,* 4993.

BOLETUS BICOLOR, Massee.

Distr:—Singapore, *Ridley,* 56 ser. 2.

BOLETUS CRASPEDIUS, Massee.

Distr:—Singapore, Gardens' Jungle, on the ground, *E. M. Burkill,* 137.

BOLETUS CYANOPUS, Pat. and Baker, in Journ. R. As. Soc. Straits Branch, No. 78.

Distr:—Singapore, Gardens' Jungle, *Baker,* 5006.

BOLETUS FLAVIPES, Massee.

Distr:—Singapore, *Ridley,* 25 ser. 2.

BOLETUS FLEXIPES, Massee.

Distr:—Singapore, *Ridley,* 97 ser. 2.

BOLETUS FUNERARIUS, Massee.

Distr:—Singapore, *Ridley,* 50 ser. 2.

BOLETUS ICTERINUS, Pat. and Baker, in Journ. R. As. Soc. Straits Branch, No. 78.

Distr:—Singapore, Gardens' Jungle, *Baker,* 4991.

BOLETUS INDECORUS, Massee.

Distr:—Singapore, Gardens' Jungle, on tree roots, *E. M. Burkill,* 66, 147.

BOLETUS LONGIPES, Massee.

Distr:—Singapore, *Ridley,* 81 ser. 2.

BOLETUS MALACCENSIS, Pat. and Baker, in Journ. R. As. Soc. Straits Branch, No. 78.

Distr:—Singapore, Gardens' Jungle, *Baker,* 5004.

BOLETUS NANUS, Massee.

Distr:—Singapore, *Ridley,* 39 ser. 2.

BOLETUS NIGRICANS, Pat. and Baker, in Journ. R. As. Soc. Straits Branch, No. 78.

Distr:—Singapore, Gardens' Jungle, *Baker,* 4996.

BOLETUS PACHYCEPHALUS, Massee.

Distr:—Singapore, *Ridley,* 24 ser. 2.

BOLETUS PARVULUS, Massee.

Distr:—Singapore, *Ridley,* 56 bis. ser. 2.

BOLETUS PERNANUS, Pat. and Baker, in Journ. R. As. Soc. Straits Branch, No. 78.

Distr:—Singapore, Botanic Gardens, *E. M. Burkill,* 156; *Baker,* 5001; *Flippance,* 6179.

BOLETUS PHAEOCEPHALUS, Pat. and Baker, in Journ. R. As. Soc. Straits Branch, No. 78.

Distr:—Singapore, Gardens' Jungle, *Baker,* 5050.

BOLETUS RETISPORUS, Pat. and Baker, in Journ. R. As. Soc. Straits Branch, No. 78.

Distr:—Singapore, Gardens' Jungle, *Baker,* 403, 5000.

BOLETUS RIDLEYI, Massee.

Distr:—Singapore, Gardens' Jungle, on the ground, *Ridley,* 87 ser 2.

BOLETUS RUFO-AUREUS, Massee.

Distr:—Singapore, *Ridley,* 61 ser 2.

BOLETUS SCABER, Fries.

Distr:—Singapore, *Ridley,* 69.

BOLETUS SINGAPORENSIS, Pat. and Baker, in Journ. R. As. Soc. Straits Branch, No. 78.

Distr:—Singapore, Gardens' Jungle, *Baker,* 4992.

BOLETUS SPINIFER, Pat. and Baker, in Journ. R. As. Soc. Straits Branch, No. 78.

Distr:—Singapore, Gardens' Jungle, solitary or tufted, among decaying leaves, *Baker,* 4994.

BOLETUS TRISTICULUS, Massee.

Distr:—Singapore, *Ridley,* 80 ser 2.

BOLETUS TRISTIS, Pat. and Baker, in Journ. R. As. Soc. Straits Branch, No. 78.

Distr:—Singapore, Gardens' Jungle, *Baker,* 404, 4995.

BOLETUS UMBILICATUS, Massee.

Distr:—Singapore, *Ridley,* 78 ser 2.

BOLETUS UMBRINELLUS, Pat. and Baker, in Journ. R. As. Soc. Straits Branch, No. 78.

Distr:—Singapore, Gardens' Jungle, *Baker,* 405, 4997; *Sappan,* 5488.

BOLETUS UNICOLOR, Massee.

Distr:—Singapore, *Ridley,* 99 ser 2.

BOLETUS VELUTICEPS, Pat. and Baker, in Journ. R. As. Soc. Straits Branch, No. 78.

Distr:—Singapore, Gardens' Jungle, *Baker,* 4998.

BOLETUS VISCIDULUS, Pat. and Baker, in Journ. R. As. Soc. Straits Branch, No. 78.

Distr:—Singapore, Gardens' Jungle, *Baker,* 4999.

BOLETOPSIS CORRUGATUS, Pat. and Baker, in Journ. R. As. Soc. Straits Branch, No. 78.

Distr:—Singapore, Botanic Gardens, *Baker,* 5003; on the ground, *Burkill,* 5786.

STROBILOMYCES PARADOX, Massee.

Distr:—Singapore, on the ground, gregarious, *Ridley,* 28 ser 2.

STROBILOMYCES PORPHYRIUS, Pat. and Baker, in Journ. R. As. Soc. Straits Branch, No. 78.

Distr:—Singapore, Gardens' Jungle, *Baker,* 5002.

AGARICACEAE.

BOLBITIUS LONGIPES, Massee.

Distr:—Selangor, on the ground, *Ridley,* 124.

COPRINUS COFFEICOLA, Massee.

Distr:—Selangor, on rotten coffee pulp, *Ridley*, 67.

COPRINUS EPHEMERUS, Fries.

Distr:—Singapore, on cow dung, *Ridley*, 32.

COPRINUS LEVIPES, Massee.

Distr:—Perak, on an old Areca stump, *Ridley*, 17.

COPRINUS NIVEUS, Fries.

Distr:—Singapore, Botanic Gardens, on horse dung, *E. M. Burkill*, 71.

COPRINUS PLICATILIS, Fries.

Distr:—Selangor, *Ridley*. Singapore, Botanic Gardens, on twigs, *E. M. Burkill*, 70.

GOMPHIDIUS ROSEUS, Massee.

Distr:—Singapore, on the ground, *Ridley*, 57, E.

PSATHYRELLA ALBIDA, Massee.

Distr:—Selangor, in dense clusters on rotten wood, *Ridley*, 55.

PSATHYRELLA DISSEMINATA, Pers.

Distr:—Perak, *King's collector*. Dindings, mentioned by *Ridley*. Without precise locality, at the base of trees, *Scortechini*, 42.

HYGROPHORUS CHLOROPHANUS, Fries.

Distr:—Singapore, Botanic Gardens, in the grass, *E. M. Burkill*, 260.

HYGROPHORUS CONICUS, Fries.

Distr:—Singapore, *Ridley*, 85.

HYGROPHORUS PUNICEUS, Fries.

Ridley records this as being very common in grassy spots and among leaves.

LACTARIUS BICOLOR, Massee.

Distr:—Singapore, Botanic Gardens, among leaves, *E. M. Burkill*, 73; *Burkill*, Dec. 1916.

LACTARIUS TRICOLOR, Massee.

Distr:—Singapore, on the ground, *Ridley*, 30 D.

RUSSULA AERUGINOSA, Massee.

Distr:—Singapore, Botanic Gardens, on the ground, *E. M. Burkill* 63; *Flippance*, 6040, 6170, 7006. Economic Garden, *Kiah*, 5745.

RUSSULA FRAGILIS, Fries.

Distr:—Singapore, on the ground, *E. M. Burkill*, 232.

SCHIZOPHYLLUM COMMUNE, Fries. Bancroft, in Agric. Bull. F. M. S. i. 28, 150, 263. Chipp, in Gard. Bull. S. S. ii. 190, 197, 280.

Probably the commonest of the larger fungi, growing everywhere on dead wood.

SCHIZOPHYLLUM FLABELLARE, Fries.

Distr:—Selangor, on rotten wood, *Ridley*, 90.

SCHIZOPHYLLUM MULTIFIDUM, Fries.

Distr:—Without precise locality, on stems, *Scortechini*, 52, 113.

XEROTUS CAFFRORUM, Kalch.

Distr:—Selangor, mentioned by *Ridley*.

XEROTUS LATERITIUS, Berk. and Curt.

Distr:—Perak, *King's collector*, 3983.

XEROTUS PAPYRACEUS, Berk.

Distr:—Penang, on bricks and wood, *Ridley*.

LENTINUS APPLANATUS, Fries. Bancroft, in Agric. Bull. F. M. S. i. 263.

Distr:—Perak, *King's collector*.

LENTINUS BECCARIANUS, Ces.

Distr:—Perak, *King's collector*, 3611, 3612.

LENTINUS BLEPHARODES, Berk. and Curt.

Distr:—Perak, *King's collector*, 2988. Selangor, on stumps, *Ridley*.

LENTINUS BREVIPES, Cke.

Distr:—Perak, on logs, *King's collector*, 4, 342.

LENTINUS CALVESCENS, Berk.

Distr:—Selangor, *Ridley*, 102.

LENTINUS CURREYANUS, Sacc.

Distr:—Selangor, Gua Batu, *Ridley*, 90.

LENTINUS DACTYLIOPHORUS, Lev. Bancroft, in Agric. Bull. F. M. S. i. 263.

Distr:—Perak, *Kunstler*, 611.
See remarks under L. exilis.

LENTINUS EXILIS, Kl. Bancroft, in Agric. Bull. F. M. S. i. 263.

Very common on dead wood everywhere. Extremely variable as to form, size, and texture. It would appear that L. Sajor-caju, and L. dactyliophorus, are identical.

LENTINUS INQUINANS, Berk.

Distr:—Perak, *King's collector*.

LENTINUS LECOMTEI, Fries.

Distr:—Selangor, Kuala Lumpor, on a Casuarina equisetifolia stump, *Chipp*, 5679. Singapore, on dead wood, Botanic Gardens, *Flippance*, 4921, 5944, 6172. Economic Garden, *Kiah*, 5848.

Some authorities regard these specimens as belonging to L. strigosus.

LENTINUS LEUCOCHROUS, Lev. Baker, in Gard. Bull. S. S. ii. 112.

Distr:—Singapore, on dead limbs of Hevea brasiliensis, *Baker*.

LENTINUS NICOBARENSIS, Rch.

Distr:—Without precise locality, on decaying wood, *Scortechini*.

LENTINUS PERGAMENUS, Lev.

Distr:—Perak, *King's collector*, 2183, 2184 .

LENTINUS SAJOR-CAJU, Fries.

Considered in this work as being the same as L. exilis, Kl. It is a matter for consideration as to which name should be kept up.

LENTINUS SERICEUS, Massee.

Distr:—Selangor, on rotten wood, *Ridley*, 33.

LENTINUS SIMILIS, Berk.

Distr:—Singapore, *Ridley*, 9.

LENTINUS STRIGOSUS, Fries.

The specimens quoted under L. Lecomtei are considered by some to belong to this species.

LENTINUS SUBNUDUS, Berk.

Distr:—Perak, *King's collector*, 3976. Singapore, Mandai Road, on dead wood, *Chipp*, 5825. Bukit Timah, *Chipp*, 5076, 5089. Reformatory Road in copious white tufts on a dying stem of a Durio zibethinus, *Chipp*, 6185.

LENTINUS TENER, Kl.

Distr:—Perak, *King's collector*, 3202, 4388.

LENTINUS TENUIPES, Sacc. and Paol.

Distr:—Perak, *King's collector*. Without precise locality, on dead wood, *Scortechini*, 10.

LENTINUS VELUTINUS, Fr.

Distr:—Perak, *King's collector*, 2295.

LENTINUS VILLOSUS, Fries.

Distr:—Selangor, *Ridley*, ??.

PANUS AUREO-FULVUS, Cke.

Distr:—Perak, on logs, *King's collector*, 1893.

PANUS FENDLERI, Berk.

Distr:—Perak, mentioned by *Ridley*.

MARASMIUS ANDROSACEUS, Fries.

Distr:—Perak, mentioned by *Ridley*. Without precise locality, on decaying leaves, *Scortechini*, 3.

MARASMIUS ARATUS, Massee.

Distr:—Singapore, Botanic Gardens, on dead leaves, *E. M. Burkill*. 113.

MARASMIUS EPOCHNOUS, Berk. and Curt.

Distr:—Selangor, on dead bark and wood, *Ridley*, 78.

MARASMIUS EXCENTRICUS, Massee.

Distr:—Perak, gregarious, on dead wood, *Ridley*, 18.

MARASMIUS GORDIPES, Sacc. and Paol.

Distr:—Perak, mentioned by *Ridley*. Without precise locality, on dead leaves, *Scortechini*, 11.

MARASMIUS LANATUS, Massee.

Distr:—Singapore, Botanic Gardens, on a dead leaf of Oncosperma, *E. M. Burkill*, 86.

MARASMIUS PAPYRACEUS, Massee.

Distr:—Singapore, Botanic Gardens, on a dead stick, *E. M. Burkill*, 121.

MARASMIUS POLYGRAMMUS, Mont.

Distr:—Without precise locality, on decaying leaves, *Scortechini*, 12.

MARASMIUS ROTALIS, Berk. and Br. Bancroft, in Agric. Bull. F. M. S. i. 263. Chipp, in Gard. Bull. S. S. ii. 187.

Distr:—Without precise locality, on thick decaying leaves, *Scortechini*, 13.

MARASMIUS ROTULA, Fries.

Distr:—Selangor, on dead branches, *Ridley*, 74.

MARASMIUS STENOPHYLLUS, Mont.

Distr:—Without precise locality, on branches, *Scortechini*, 541.

PSATHYRA CAMPANULATA, Massee.

Distr:—Selangor, on the ground, *Ridley*, 108.

PSATHYRA CYCLOSPORA, Massee.

Distr:—Perak, on rotten wood, *Ridley*, 7.

HYPHOLOMA ELATUM, Massee.

Distr:—Singapore, on the ground, *Ridley*, 83E.

HYPHOLOMA SUBLATERITIUM, Schaeff.

Distr:—Singapore, Botanic Gardens, on the ground, *E. M. Burkill*, 127.

AGARICUS (PSALLIOTA) CAMPESTRIS, Linn. Ridley, in Agric. Bull. Mal. Penin. 1898, p. 198. Bancroft, in Agric. Bull. F. M. S. i. 263.

The common English "mushroom." Mentioned by Ridley as occurring in Penang, Pahang, and Singapore. Frequently found on tennis lawns. Apparently not eaten by the Malays.

AGARICUS (PSALLIOTA) TENUICEPS, Massee.

Distr:—Singapore, Botanic Gardens, on the ground, *E. M. Burkill*, 267. Tyersall Grounds, *Burkill*, 6159.

STROPHARIA MINIMA, Massee.

Distr:—Singapore, Botanic Gardens, on horse dung, *E. M. Burkill*, 266.

STROPHARIA PERSONATA, Massee.

Distr:—Singapore, on the ground, *Ridley*, 55C.

STROPHARIA UMBONATA, Massee.

Distr:—Singapore, on the ground, *Ridley*, 36J. Botanic Gardens, on the ground, *Flippance*, 5946, 6178.

CREPIDOTUS RIDLEYI, Massee.

Distr:—Selangor, on a dead fern rachis, *Ridley*, 110.

GALERA FLEXIPES, Massee.

Distr:—Singapore, Botanic Gardens, on the ground, *E. M. Burkill*, 111.

INOCYBE LONGIPES, Massee.

Distr:—Singapore, on the ground, *Ridley*, 73U.

INOCYBE UMBRINA, Massee.

Distr:—Singapore, Havelock Road, on a clay bank, *E. M. Burkill*, 250.

INOCYBE VIOLACEA, Massee.

Distr:—Perak, on lawns, *Ridley*, 2.

NAUCORIA PERINIANA, Sacc.

Distr:—Perak, *King's collector*.

NAUCORIA TRICHIALIS, Lev.

Distr:—Perak, *King's collector*.

Flammula bella, Massee.

Distr:—Singapore, Botanic Gardens, on a jungle path, *E. M. Burkill,* 134.

Flammula elegantula, Massee.

Distr:—Singapore, Payar Lebar, on a dead stem of Cocos nucifera, *E. M. Burkill,* 324.

Flammula ornata, Massee.

Distr:—Selangor, on the ground, *Ridley,* 23.

Pholiota hepatica, Massee.

Distr:—Singapore, Botanic Gardens, on the ground, *E. M. Burkill,* 204.

Claudopus griseus, Massee.

Distr:—Perak, on dead wood, *Ridley,* 11.

Eccilia hyalodepas, Berk. and Br.

Distr:—Singapore, *Ridley,* 23.

Leptonia altisssima, Massee.

Distr:—Singapore, Botanic Gardens, on the ground, *Ridley,* 4.

Leptonia bicolor, Massee.

Distr:—Singapore, Botanic Gardens, on the ground, *Ridley.*

Leptonia tricolor, Massee.

Distr:—Penang, on the ground, *Ridley.*

Entoloma Burkillae, Massee.

Distr:—Singapore, Botanic Gardens, on the ground, *E. M. Burkill,* 152; *Burkill,* April 1916.

Entoloma iodnephes, Berk. and Br.

Distr:—Singapore, *Ridley,* 19.

Entoloma umbonatum, Massee.

Distr:—Singapore, Botanic Gardens, on the ground, *E. M. Burkill,* 61.

Clitopilus curtipes, Massee.

Distr:—Singapore, on the ground, *Ridley,* 91.

CLITOPILUS FLAVIDUS, Massee.

Distr:—Singapore, on the ground, *Ridley*, 560.

VOLVARIA GEASTER, Berk. and Br.

Distr:—Singapore, *Ridley*, 23.

PLEUROTUS spp.

Several specimens of this genus have been collected but not worked out specifically, amongst them being the common luminous fungus.

OMPHALIA TENERA, Massee.

Distr:—Perak, on rotten wood, *Ridley*, 9.

MYCENA CRASSIPES, Massee.

Distr:—Selangor, on stumps, *Ridley*, 64.

MYCENA CUSPIDATA, Massee.

Distr:—Singapore, on the ground, *Ridley*, 25y.

MYCENA GIGANTOSPORA, Massee.

Distr:—Perak, on the ground; *Ridley*, 3. Dindings, mentioned by *Ridley*.

MYCENA PELLICULOSA, Fries.

Distr:—Perak, on rotten wood, *Ridley*, 13. Dindings, mentioned by *Ridley*.

MYCENA REPERTITIA, Massee.

Distr:—Perak, on rotting wood, *Ridley*, 21.

COLLYBIA ACUMINATA, Massee.

Distr:—Singapore, on the ground, *Ridley*, 22v.

COLLYBIA ALTISSIMA, Massee.

Distr:—Singapore, on the ground, *E. M. Burkill*, 112.

COLLYBIA ELATA, Massee.

Distr:—Singapore, on the ground, *E. M. Burkill*, 150; *Chipp*, 5841.

COLLYBIA RAPHANIPES, Berk.

Distr:—Perak, *King's collector*, 6006.

CLITOCYBE CARNOSA, Massee.

Distr:—Singapore, on the ground, *E. M. Burkill*, 82.

CLITOCYBE EGREGIA, Massee.

Distr:—Singapore, on the ground, *Ridley*, 89.

CLITOCYBE LACCATA, Scop.

Distr:—Perak, *King's collector*, 1590. Singapore, *Ridley*, 1, 37, 78.

TRICHOLOMA CHARISTERUM, Berk. and Br.

Distr:—Singapore, *Ridley*, 64.

TRICHOLOMA NUDUM, Bull.

Distr:—Singapore. *Ridley*, 86.

TRICHOLOMA THEIOCHROUM, Berk. and Br.

Distr:—Singapore. *Ridley*, 68.

SCHULZERIA PELLUCIDA, Massee.

Distr:—Singapore, Botanic Gardens, amongst fallen leaves, *E. M. Burkill*, 101.

ARMILLARIA SQUAMOSA, Massee.

Distr:—Singapore, on the ground, *Ridley*, 61. 1.

LEPIOTA ALBIDA, Massee.

Distr:—Singapore, Botanic Gardens, among the nests of black termites, *E. M. Burkill*, 219.

LEPIOTA CARNEO-RUBRA, Massee.

Distr:—Singapore. Botanic Gardens, on the ground, *E. M. Burkill*, 136.

LEPIOTA CITRIOPHYLLA, Berk. and Br.

Distr:—Singapore. *Ridley*, 66.

LEPIOTA CONIOCEPHALA, Berk. and Br.

Distr:—Singapore. *Ridley*, 44.

LEPIOTA EUCONIATA, Berk. and Br.

Distr:—Singapore. *Ridley*, 41.

LEPIOTA FELINA, Pers.

Distr:—Singapore, *Ridley*, 33.

LEPIOTA FERRUGINOSA, Massee.

Distr:—Singapore, on the ground, *E. M. Burkill*, 214.

LEPIOTA HOLOSPILOTA, Berk. and Br.

Distr:—Singapore, *Ridley*, 20.

LEPIOTA INEBRIATA, Berk. and Br.

Distr:—Singapore, *Ridley*, 47.

LEPIOTA LICMOPHORA, Berk. and Br.

Distr:—Singapore, *Ridley*, 79.

LEPIOTA OCHRACEA, Massee.

Distr:—Singapore, on the ground, *E. M. Burkill*.

LEPIOTA PHYLACTARODES, Berk. and Br.

Distr:—Singapore, *Ridley*, 61.

LEPIOTA PROCERA, Scop. Bancroft, in Agric. Bull. F. M. S. i. 262.

Distr:—Selangor, on the ground, *Bancroft*.

LEPIOTA SEMIVESTITA, Massee.

Distr:—Singapore, on the ground, *E. M. Burkill*, 142, 143.

AMANITA VIRGINEA, Massee.

Distr:—Singapore, on the ground, *Ridley*, 1, 87. Botanic Gardens, on the ground, *E. M. Burkill*, 182; *Flippance*, 6059.

PHALLACEAE.

MUTINUS BAMBUSINUS, Zoll.

Distr:—Singapore, Botanic Gardens, among bamboos, *Ridley*.

PHALLUS DEMONUM, Rumph.

Distr:—Perak, *King's collector*, 3550, 4037.

DICTYOPHORA INDUSIATA, Fisch.

Distr:—Singapore, Pavar Lebar, *E. M. Burkill*, 181. Cluny Road, *E. M. Burkill*, 337.

Occurring generally as isolated specimens on the ground under trees.

DICTYOPHORA IRPICINA.

Distr:—Singapore, Botanic Gardens, *Ridley.*

DICTYOPHORA PHALLOIDEA, Desv. Bancroft, in Agric. Bull. F. M. S. i. 263.

Distr:—Singapore, Botanic Gardens, *Ridley.*

LYCOPERDACEAE.

LYCOPERDON LIGNICOLUM. Massee.

Distr:—Selangor, Kuala Lumpor, on dead bark, *Ridley,* 166.

LYCOPERDON RUBICULA. Berk. and Br.

Distr:—Singapore, *Ridley,* 52.

LYCOPERDON WRIGHTII, Berk.

Distr:—Singapore, Botanic Gardens, on the ground, *Sappan,* 5489.

CATASTOMA JUNGHUHNII, Schl. Ridley, in Journ. R. As. Soc. Straits Branch, No. 23, p. 75.

Distr:—Dindings, *Ridley.* Selangor, Bukit Etam, *Kelsall.* Petaling, *Ridley.* Singapore, Bukit Timah, *Ridley.*

CATASTOMA ORIRUBRUM, Cke.

Distr:—Perak, Larut, *King's collector.*

GEASTER JAVANICUS, Lev.

Distr:—Singapore, Botanic Gardens, on the ground, *Sappan,* 5127.

GEASTER MAURUS, Massee.

Distr:—Singapore, Botanic Gardens, 1891, *Ridley;* under cocoa trees, *E. M. Burkill,* 230; *Ridley,* 30.

GEASTER MIRABILIS, Mont.

Distr:—Singapore, Woodlands, on dead wood, *M. Noor,* 5378 Economic Gardens, on rotten wood, *E. M. Burkill,* 248.

GEASTER PAPYRACEUS, Berk. and Curt.

Distr:—Singapore, on wood, *Ridley,* 23, W.

NIDULARIACEAE.

CYATHUS SPHAEROSPORUS.

Distr:—Singapore, Botanic Gardens, on dead wood, *Sappan,* 5113; *Flippance,* 6184. Economic Gardens, *Kiah,* 5715.

Lloyd suggests this species may only be a large globose-spored form of C. pallidus.

CYATHUS STRIATUS, Hoffm. Sharples, in Agric. Bull. F. M. S. ii. 85.

Distr:—Without precise locality, on dead wood, *Sharples.*

SCLERODERMATACEAE.

SCLERODERMA AUREUM, Massee.

Distr:—Singapore, Botanic Gardens, *Ridley,* 32 vc.

SCLERODERMA FLAVIDUM, Ell.

Distr:—Penang, Government Hill Road, *Burkill,* 6074; Singapore, Botanic Gardens, on jungle soil, *Baker,* 5134; *Chipp,* 6017.

SCLERODERMA FLAVO-CROCATUM, Sacc. and De-Ton. Bancroft, in Agric. Bull. F. M. S. i. 263.

Distr:—Perak, *King's collector.* Singapore, Botanic Gardens, jungle, *Ridley.* Without precise locality, on the ground, *Scortechini,* 174.

SCLERODERMA LUTEUM, Lloyd.

Distr:—Singapore, Botanic Gardens, on the ground, *E. M. Burkill,* 268, 294; *Kiah,* 5903.

SCLERODERMA SINNAMARIENSE, Mont.

Distr:—Perak, *King's collector.* Without precise locality, on wood, *Scortechini,* 781.

SCLERODERMA VULGARE, Fries.

Distr:—Perak, *King's collector,* 4000.

CALOSTOMATACEAE.

MITREMYCES COCCINEUS, Berk.

Distr:—Perak, *King's collector,* 3838.

TULOSTOMATACEAE.

TULOSTOMA RIDLEYI, Massee.

Distr:—Perak, on the ground, *Ridley,* 8.

FUNGI IMPERFECTI.

SPHAERIOIDACEAE.

PHYLLOSTICTA COFFEICOLA, Del. Belgrave, in Agric. Bull. F. M. S. iv. 111. Chipp, in Gard. Bull. S. S. ii. 237.

Recorded as parasitic on coffee leaves.

PHYLLOSTICTA DAEMONOROPIS, Sacc. Baker, in Gard. Bull. S. S. ii. 119. Chipp, in Gard. Bull. S. S. ii. 237.

Distr:—Singapore, Botanic Gardens, on leaves of Daemonorops, *Baker*, 474.

PHLLOSTICTA DUBIA, Sacc. Baker, in Gard. Bull. S. S. ii. 119. Chipp, in Gard. Bull. S. S. ii. 237.

Distr:—Singapore, Botanic Gardens, on dead calyces of Dianthus sinensis, *Baker*, 475.

PHYLLOSTICTA FARADAYAE, Sacc. Baker, in Gard. Bull. S. S. ii. 119.

Distr:—Singapore, Botanic Gardens, on dying leaves of Faradaya papuana, *Baker*, 476.

PHYLLOSTICTA GUSTAVIAE, Sacc. Baker, in Gard. Bull. S. S. ii. 119.

Distr:—Singapore, Botanic Gardens, on dying leaves of Gustavia insignis, *Baker*, 5112.

PHYLLOSTICTA HEVEAE, Limm. Bancroft, in Agric. Bull. F. M. S. i. 263; and in Dep. Agric. F. M. S. Bull. No. 14, p. 22. Chipp, in Gard. Bull. S. S. ii. 189, 190.

Recorded as parasitic on leaves of Hevea brasiliensis.

PHYLLOSTICTA PALMIGENA, Sacc. Baker, in Gard. Bull. S. S. ii. 119. Chipp, in Gard. Bull. S. S. ii. 237.

Distr:—Singapore, Botanic Gardens, on dying leaves of Dictyosperma album, *Baker*, 477.

PHYLLOSTICTA RAMICOLA, Petch. Bancroft, in Agric. Bull. F. M. S. i, 25, 29, 263. Chipp, in Gard. Bull. S. S. ii. 189.

Recorded by Bancroft as a stem disease of Hevea brasiliensis.

PHOMA AGAVES, Sacc. Baker, in Gard. Bull. S. S. ii. 119. Chipp, in Gard. Bull. S. S. ii. 232.

Distr:—Singapore, Botanic Gardens, on dead peduncles of Agave rigida, *Baker*, 473.

PHOMA CAMELLIAE, Cke. Bancroft, in Agric. Bull. F. M. S. i. 263.

Distr:—Perak, *King's collector.* Johore, on leaves of Camillea theae, recorded by Cooke.

PHOMA INOCARPI, Sacc. Baker, in Gard. Bull. S. S. ii. 119. Chipp, in Gard. Bull. S. S. ii. 276.

Distr:—Singapore, Botanic Gardens, on decaying fruits of Inocarpus edulis, *Baker,* 414c.

SPHAERONEMA sp. Belgrave, in Agric. Bull. F. M. S. vi. 7. Chipp, in Gard. Bull. S. S. ii. 190.

Distr:—Johore, Pagoh, Muah, on Hevea brasiliensis, causing "Mouldy Rot," *South,* 6071.

HAPLOSPORELLA SYCONOPHILA, Sacc. Baker, in Gard. Bull. S. S. ii. 119.

Distr:—Singapore, Botanic Gardens, on dead bark of Ficus elastica, *Baker,* 431.

DOTHIORELLA RUGULOSA, Sacc. Baker, in Gard. Bull. S. S. ii. 119. Chipp, in Gard. Bull. S. S. ii. 276.

Distr:—Singapore, Botanic Gardens, on dead and dying stems of Hibiscus Sabdariffa, *Baker,* 415.

DOTHIORELLA STRATOSA, Sacc. Baker, in Gard. Bull. S. S. ii. 119. Chipp, in Gard. Bull. S. S. ii. 279.

Distr:—Singapore, Botanic Gardens, on dead limbs of Piscidia erythrina, *Baker,* 416a.

CONIOTHYRIUM COFFEAE. Belgrave, in Agric. Bull. F. M. S. iv. 111. Chipp, in Gard. Bull. S. S. ii. 236.

Described as parasitic on leaves of coffee.

DARLUCA FILUM, Br.

Distr:—Singapore, Botanic Gardens, on Andropogon Nardus v. citronella, *Baker,* 482b.

DIPLODIA HIBISCINA, C. and Ell.

VAR. SABDARIFFAE, Sacc. Baker, in Gard. Bull. S. S. ii. 119. Chipp, in Gard. Bull. S. S. ii. 276.

Distr:—Singapore, Botanic Gardens, on dead stems of Hibiscus sabdariffa, *Baker,* 413.

DIPLODIA INOCARPI, Sacc. Baker, in Gard. Bull. S. S. ii. 119. Chipp, in Gard. Bull. S. S. ii. 276.

Distr:—Singapore, Botanic Gardens, on rotting fruits of Inocarpus edulis, *Baker,* 414a.

DIPLODIA MARUMIAE, Sacc. and Paol.

Distr:—Without precise locality, on leaves of Marumia, *Scortechini*, 130.

DIPLODIA RAPAX, Massee. Ridley, in Agric. Bull. S. and F. M. S. viii, 290 and 571. Chipp, in Gard. Bull. S. S. ii. 188.

Recorded by Ridley on shoots of Hevea brasiliensis.

DIPLODIA spp. Bancroft, in Agric. Bull. S. and F. M. S. x. 321; and in Agric. Bull. F. M. S. i. 28, 111. Chipp, in Gard. Bull. S. S. ii. 188, 235, 236.

CHAETODIPLODIA sp. Belgrave, in Agric. Bull. F. M. S. iv. 111.

Described as parasitic on the stems of coffee.

BOTRYODIPLODIA CEREBRINA, Sacc. Baker, in Gard. Bull. S. S. ii. 119. Chipp, in Gard. Bull. S. S. ii. 234.

Distr:—Singapore, Botanic Gardens, on dead branches of Cecropia peltata, *Baker*, 406.

BOTRYODIPLODIA THEOBROMAE. Richards, in Agric. Bull. F. M. S. v. 308. Chipp, in Gard. Bull. S. S. ii. 188.

Recorded as a cause of "dieback" of Hevea brasiliensis.

BOTRYODIPLODIA sp. Ridley, in Agric. Bull. S. and F. M. S. ix. 178. Chipp, in Gard. Bull. S. S. ii. 235.

A cause of root disease.

HENDERSONIA sp. Belgrave, in Agric. Bull. F. M. S. iii. 229. On Garcinia Mangostana.

SEPTORIA CYRTOPHYLLI, Sacc. Baker, in Gard. Bull. S. S. ii. 119. Chipp, in Gard. Bull. S. S. ii. 237.

Distr:—Singapore, Botanic Gardens, on leaves of Cyrtophyllum fragrans, *Baker*, 485.

SEPTORIELLA BIFORMIS, Sacc. Baker, in Gard. Bull. S. S. ii. 119.

Distr:—Singapore, Botanic Gardens, on living leaves of Ficus alba, *Baker*, 486.

SEPTORIELLA CONFORMIS, Sacc. Baker, in Gard. Bull. S. S. ii. 119.

Distr:—Singapore, Botanic Gardens, on living leaves of Ficus sp., *Baker*, 487.

PHOMOPSIS sp.

Distr:—Penang, Government Hill, on leaves of Macaranga, *Chipp*, 4695.

NECTRIOIDACEAE.

ASCHERSONIA sp.

Distr:—Penang, Waterfall Gardens, on coccids on leaves of Eugenia, *Burkill,* 4133. Singapore, Economic Garden, on leaves of Myrica, *Flippance,* 4933.

LEPTOSTROMATACEAE.

LEPTOTHYRELLA CALOPHYLLI, Sacc. Baker, in Gard. Bull. S. S. ii. 119. Chipp, in Gard. Bull. S. S. ii. 233.

Distr:—Singapore, Botanic Gardens, on living leaves of Calophyllum floribundum, *Baker,* 445.

MELANCONIACEAE.

GLOEOSPORIUM ALBORUBRUM, Petch. Bancroft, in Agric. Bull. F. M. S. i. 263. Chipp, in Gard. Bull. S. S. ii. 189.

Recorded on dead shoots of Hevea brasiliensis.

GLOEOSPORIUM INOCARPI, Sacc. Baker, in Gard. Bull. S. S. ii. 119. Chipp, in Gard. Bull. S. S. ii. 276.

Distr:—Singapore, Botanic Gardens, on rotting fruits of Inocarpus edulis, *Baker,* 414b.

GLOEOSPORIUM MANGIFERAE, Noack. Bancroft, in Agric. Bull. F. M. S. i. 113, 263. Chipp, in Gard. Bull. S. S. ii. 278.

Parasitic on fruits of Mangifera indica.

GLOEOSPORIUM MUSARUM, Cke. and Massee. Bancroft, in Agric. Bull. F. M. S. i. 263. Chipp, in Gard. Bull. S. S. ii. 278.

Common on ripe fruits of Banana.

GLOEOSPORIUM PALMIGENUM, Sacc. Baker, in Gard. Bull. S. S. ii. 120. Chipp, in Gard. Bull. S. S. ii. 232.

Distr:—Singapore, Botanic Gardens, on dead leaves of Attalea Cohune, *Baker,* 427.

GLOESPORIUM ZIBETHINUM, Sacc. Baker, in Gard. Bull. S. S. ii. 119. Chipp, in Gard. Bull. S. S. ii. 237.

Distr:—Singapore, Botanic Gardens, on leaves of Durio zibethinus, *Baker,* 428.

COLLETOTRICHUM NECATOR, Massee. Ridley, in Agric. Bull. S. and F. M. S. x. 321. Chipp, in Gard. Bull. S. S. ii. 279.

Distr:—Singapore, on fruits of pepper, *Ridley.*

COLLETOTRICHUM THEAE, Massee. Bancroft, in Agric. Bull. F. M. S. i. 263.

Distr:—Negri Sembilan, parasitic on leaves of Thea, *Bancroft.*

Colletotrichum sp. Van Hall, in Agric. Bull. F. M. S. i. 255. Belgrave, in Agric. Bull. F. M. S. iv. 111. Chipp, in Gard. Bull. S. S. ii. 236.

Recorded as a disease of coffee.

Melanconium melanoxanthum, Berk. and Br. Baker, in Gard. Bull. S. S. ii. 120. Chipp, in Gard. Bull. S. S. ii. 233, 277, 279, 281.

Distr:—Singapore, Botanic Gardens, on dead leaves and rachises, *Baker*, 448, 5382, 5414, 5426, 5440, 5442.

Melanconium stictoides, Sacc. and Paol.

Distr:—Without precise locality, on leaves, *Scortechini*, 148.

Septogloeum Arachidis, Rac. Brooks, in Agric. Bull. F. M. S. iii. 66.

Recorded as attacking leaves of Arachis hypogaea.

Stilbospora sp.

Distr:—Penang, Waterfall Gardens, on leaves of Licuala, *Burkill*, 4150.

Coryneum sp. Burkill, in Gard. Bull. S. S. i. 193. Chipp, in Gard. Bull. S. S. ii. 237.

Recorded as attacking leaves of Agave.

Pestalozzia Coffeae, Belgrave, in Agric. Bull. F. M. S. iv. 113. Chipp, in Gard. Bull. S. S. ii. 237.

Recorded on coffee berries.

Pestalozzia funerea, Desm.

Distr:—Singapore, Economic Garden, on leaves of Eugenia brasiliensis, *Mathieu*, 4923.

Pestalozzia Guepini, Desm. Bancroft, in Agric. Bull. F. M. S. i. 263; and in Dep. Agric. F. M. S. Bull. No. 14. Chipp, in Gard. Bull. S. S. ii. 190.

Recorded as a leaf disease of Hevea brasiliensis.

Pestalozzia leucodisca, Penz. and Sacc. Bancroft, in Agric. Bull. F. M. S. i. 263.

Distr:—Selangor, on leaves of a jungle plant, *Bancroft*.

PESTALOZZIA PALMARUM, Cke. Bancroft, in Agric. Bull. F. M. S. i. 263; and in Dep. Agric. F. M. S. Bull. No. 14. Sharples, in Agric. Bull. F. M. S. iii. 381. Chipp, in Gard. Bull. S. S. ii. 235.

Recorded as a leaf disease of Cocos nucifera and Cinnamomum zeylanicum.

MUCEDINACEAE.

CHROMOSPORIUM CRUSTACEUM, Sharp. in Dep. Agric. F. M. S. Bull. No. 19, 12. Chipp, in Gard. Bull. S. S. ii. 191.

Recorded as causing a black spotting on prepared rubber.

OOSPORA GILVA, Berk. Bancroft, in Agric. Bull. F. M. S. i. 264. Chipp, in Gard. Bull. S. S. ii. 189.

Common on burnt wood.

MONILIA AURANTIACA, Pen. and Sacc.

Distr:—Singapore, Botanic Gardens, on a burnt log, *Chipp*, 4818.

CEPHALOSPORIUM sp. Belgrave, in Agric. Bull. F. M. S. iv. 111. vi. 7. Chipp, in Gard. Bull. S. S. ii. 188, and 236.

Recorded as parasitic on Hemileia Vastatrix, and as a cause of "mouldy rot" on Hevea brasiliensis.

TRICHODERMA KONINGII, Oud. Sharples, in Dep. Agric. F. M. S. Bull. No. 19, 12. Chipp, in Gard. Bull. S. S. ii. 191.

Distr:—Singapore, Botanic Gardens, on a burnt log, *Chipp*, 4819.

HYALOPUS sp. Belgrave, in Agric. Bull. F. M. S. iv. 111. Chipp, in Gard. Bull. S. S. ii. 236.

Recorded as parasitic on Hemileia Vastatrix.

STERIGMATOCYSTIS VITELLINA, Massee.

Distr:—Singapore, Bukit Timah, on fallen jungle fruits, *Ridley*.

STERIGMATOCYSTIS sp. Bancroft, in Dep. Agric. F. M. S. Bull. No. 16.

Recorded as occurring on rubber sheet.

PENICILLIUM GLAUCUM, Link. Bancroft, in Agric. Bull. F. M. S. i. 264.

A common "mildew."

PENICILLIUM MACULANS. Sharples, in Dep. Agric. F. M. S. Bull. No. 19, 8. Chipp, in Gard. Bull. S. S. ii. 191.

Recorded as causing a yellow flush on prepared rubber.

BOTRYTIS NECANS, Massee. Burkill, in Gard. Bull. S. S. i. 208.

Distr:—Singapore, Botanic Gardens, on larvae of Brachartona catoxantha, *Burkill.*

PHYSOSPORA sp.

Distr:—Penang, Residency Gardens, on living leaves of Kopsia fruticosa, *Burkill*, 6201.

SEPEDONIUM DUBIUM, Sacc. Baker, in Gard. Bull. S. S. ii. 120. Chipp, in Gard. Bull. S. S. ii. 277.

Distr:—Singapore, Botanic Gardens, on leaves of Licuala, *Baker,* 484.

MYCOGYNE sp. Bancroft, in Dep. Agric. F. M. S. Bull. No. 16.

DEMATIACEAE.

CONIOSPORIUM VACUOLATUM, Sacc. Baker, in Gard. Bull. S. S. ii. 120. Chipp, in Gard. Bull. S. S. ii. 233, and 277.

Distr:—Singapore, Botanic Gardens, on dead stems of Calamus and dead leaves of Licuala, *Baker,* 5444, 432b.

THIELAVIOPSIS ETHACETICA. Chipp, in Gard. Bull. S. S. ii. 236.

Recorded by Richards on Cocos nucifera stem.

THIELAVIOPSIS sp. Bancroft, in Agric. Bull. F. M. S. i. 111. Chipp, in Gard. Bull. S. S. ii. 236.

Recorded in connection with coconut bud rot.

MYXOTRICHUM COPROGENUM, Sacc.

Distr:—Without precise locality, *Scortechini,* 191.

TRICHOSPORIUM SELENIOIDES, Sacc. and Paol.

Distr:—Without precise locality, on stems, *Scortechini.*

HADROTRICHUM ATROMACULANS, Sacc. Baker, in Gard. Bull. S. S. ii. 120. Chipp, in Gard. Bull. S. S. ii. 233.

Distr:—Singapore, Botanic Gardens, on dead stems of Calamus, *Baker,* 430a.

Cladosporium elegans, Penz.

var. singaporense, Sacc. Baker, in Gard. Bull. S. S. ii. 120. Chipp, in Gard. Bull. S. S. ii. 234.

Distr:—Singapore, Botanic Gardens, on dying leaves of Citrus acida, *Baker.*

Cladosporium occultum, Ces.

Distr:—Penang, May 1865, *Beccari.*

Helminthosporium Heveae, Petch. Ridley, in Agric. Bull. S. and F. M. S. v. 68. Chipp, in Gard. Bull. S. S. ii. 190.

Recorded on leaves of Hevea brasiliensis.

Helminthosporium macrurum, Sacc. Baker, in Gard. Bull. S. S. ii. 120. Chipp, in Gard. Bull. S. S. ii. 277.

Distr:—Singapore, Botanic Gardens, on rotting rachises of Licuala, *Baker,* 432a.

Helminthosporium obovatum, Massee. Bancroft, in Agric. Bull. F. M. S. i. 264. Chipp, in Gard. Bull. S. S. ii. 280.

Distr:—Selangor, Kuala Lumpor, on living leaves of Pterocarpus indicus, *Bancroft.*

Helminthosporium Ravenalii, Berk. and Curt.

Distr:—Selangor, Port Swettenham, *Burkill,* 4105.

Helminthosporium spirotrichum, Sacc. Baker, in Gard. Bull. S. S. ii. 120. Chipp, in Gard. Bull. S. S. ii. 237.

Distr:—Singapore, Botanic Gardens, on leaves of Cyrtophyllum fragrans, *Baker,* 432.

Helminthosporium subsimile, Sacc. Baker, in Gard. Bull. S. S. ii. 120. Chipp, in Gard. Bull. S. S. ii. 233.

Distr:—Singapore, Ponggul, on leaves of Bruguiera eriopetala, *Baker,* 434a.

Spondylocladium maculans, Banc. Bancroft, in Agric. Bull. F. M. S. i. 264; and in Dep. Agric. F. M. S. Bull. No. 16. Chipp, in Gard. Bull. S. S. ii. 191.

Recorded on prepared rubber.

Cercospora beticola, Sacc. Bancroft, in Agric. Bull. F. M. S. i. 113, and 264.

Distr:—Perak, Taiping, Maxwell Hill, parasitic on beet and spinach, *Bancroft.*

Cercospora Cearae, Petch. Bancroft, in Agric. Bull. F. M. S. i. 264. Chipp, in Gard. Bull. S. S. ii. 278.

Described as parasitic on leaves of Manihot and Tapioca.

Cercospora Coffeae. van Hall, in Agric. Bull. F. M. S. i. 255.

Recorded as a disease of Coffea robusta.

Cercospora personata, Ellis. Bancroft, in Agric. Bull. F. M. S. i. 113, 264. Chipp, in Gard. Bull. S. S. ii. 232.

Distr:—Selangor, parasitic on leaves of Arachis hypogaea, *Bancroft.*

Cercospora Tabernaemontanae, Syd. Chipp, in Gard. Bull. S. S. ii. 281.

Distr:—Perak, Taiping Gardens, on living leaves of Tabernaemontana, *Chipp,* 4956. Doubtfully referred to this species by Butler.

Cercospora Ubi, Rac.

Distr:—Penang, Government Hill, on living leaves of Dioscorea glabra, *Chipp,* 4686.

Cercospora virens, Sacc. Baker, in Gard. Bull. ii. 120. Chipp, in Gard. Bull. S. S. ii. 277.

Distr:—Singapore, Botanic Gardens, on Licuala sp., *Baker,* 407.

STILBACEAE.

Stilbella Heveae, Lim. Bancroft, in Agric. Bull. F. M. S. i. 28, 264. Chipp, in Gard. Bull. S. S. ii. 190.

Recorded on the dead bark of Hevea brasiliensis.

Stilbum cinnabarinum. Brooks, in Agric. Bull. F. M. S. iii. 41. Chipp, in Gard. Bull. S. S. ii. 190.

Considered by Brooks to be the conidial stage of Megalonectria pseudotrichia.

Stilbum incarnatum, Walk.

var. Dioscoreae, Sacc. Baker, in Gard. Bull. S. S. ii. 120. Chipp, in Gard. Bull. S. S. ii. 237.

Distr:—Singapore, Botanic Gardens, on rotting roots of Dioscorea sp., *Baker,* 5417.

Corallodendron aurantiacum, Massee.

Distr:—Singapore, Bukit Timah, forming bright orange yellow tufts on seeds of Willughbeia, *Ridley.*

ISARIA SPHINGUM, Schw.

Distr:—Singapore, parasitic on the Hawk moth, especially Sphinx convolvuli, *Ridley.*

PODOSPORIUM ACICULARE, Sacc. and Paol.

Distr:—Without precise locality, on dead stems, *Scortechini,* 58.

PODOSPORIUM CONSORS, Sacc. Baker, in Gard. Bull. S. S. ii. 120. Chipp, in Gard. Bull. S. S. ii. 233.

Distr:—Singapore, Ponggul, on living leaves of Bruguiera eriopetala, *Baker,* 434b.

PODOSPORIUM PENICILLIUM, Speg. Baker, in Gard. Bull. S. S. ii. 120. Chipp, in Gard. Bull. S. S. ii. 280.

Distr:—Singapore, Botanic Gardens, on leaves of Rhodomyrtus tomentosa, *Baker,* 478.

VAR. CLERODENDRI, Sacc. Baker, in Gard. Bull. S. S. ii. 120. Chipp, in Gard. Bull. S. S. ii. 235.

Distr:—Singapore, Botanic Gardens, on leaves of Clerodendron serratum, *Baker,* 479.

ARTHROBOTRYUM SOCIUM, Sacc. Baker, in Gard. Bull. S. S. ii. 120. Chipp, in Gard. Bull. S. S. ii. 279.

Distr:—Singapore, Botanic Gardens, on dead rachises of Plectocomia, *Baker,* 429b.

TUBERCULARIACEAE.

HYMENULA SOCIA, Sacc. Baker, in Gard. Bull. S. S. ii. 120. Chipp, in Gard. Bull. S. S. ii. 279.

Distr:—Singapore, Botanic Gardens, on dead limbs of Piscidia erythrina, *Baker,* 416b, 5126 bis.

TUBERCULARIA APIOSPORA, Dur. and Mont.

Distr:—Singapore, Botanic Gardens, on dead wood, *Ridley.*

NECATOR DECRETUS, Massee. Ridley, in Agric. Bull. S. and F. M. S. 1897, 147. Chipp, in Gard. Bull. S. S. ii. 236.

Distr:—Selangor, attacking coffee stems, *Ridley.*

FUSARIUM spp. Belgrave, in Agric. Bull. F. M. S. iv. 113. Sharples, in Agric. Bull. F. M. S. iv. 218; and in Dep. Agric. F. M. S. Bull. No. 19. Chipp, in Gard. Bull. S. S. ii. 191, 236, 276.

Recorded on dead coffee berries, as causing "die back" on Hibiscus Rosa-sinensis, and a violet flush on prepared rubber.

CHAETOSTROMA CLADOSPORIOIDES, Sacc. Baker, in Gard. Bull. S. S. ii. 120. Chipp, in Gard. Bull. S. S. ii. 279.

Distr:—Singapore, Botanic Gardens, on dead caryopses of Paspalum, *Baker*, 4932.

EXOSPORIUM EXIMIUM, Sacc. Baker, in Gard. Bull. S. S. ii. 120. Chipp, in Gard. Bull. S. S. ii. 232.

Distr:—Singapore, Botanic Gardens, on dead leaves of Areca Catechu, *Baker*, 418.

EXOSPORIUM MACRURUM, Sacc. Baker, in Gard. Bull. S. S. ii. 120. Chipp, in Gard. Bull. S. S. ii. 279.

Distr:—Singapore, Botanic Gardens, on dead leaves of Plectocomia, *Baker*, 419.

TETRACHIA SINGULARIS, Sacc. Baker, in Gard. Bull. S. S. ii. 120. Chipp, in Gard. Bull. S. S. ii. 234.

Distr:—Singapore, Botanic Gardens, on living leaves of Clerodendron penduliflorum and Ficus alba, *Baker*, 490, 491.

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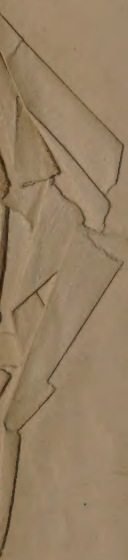

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